

Hilton Worldwide Holdings Inc.
Form 424B2
October 02, 2017
Table of Contents

Filed Pursuant to Rule 424(b)(2)
Registration No. 333-204038

Prospectus Supplement

(To Prospectus dated May 11, 2015)

14,610,000 Shares

Hilton Worldwide Holdings Inc.

Common Stock

The selling stockholders named in this prospectus supplement are offering 14,610,000 shares of common stock of Hilton Worldwide Holdings Inc. We will not receive any proceeds from the sale of common stock by the selling stockholders.

We have entered into an agreement with the selling stockholders to repurchase up to 986,175 shares directly from the selling stockholders in a private, non-underwritten transaction at a price per share equal to the price paid by the underwriter in this offering. The share repurchase is expected to be consummated concurrently with the offering and is conditioned upon the closing of this offering. The closing of this offering is not conditioned upon the consummation of the share repurchase. See **Summary Share Repurchase**.

Our common stock is listed on the New York Stock Exchange, or NYSE, under the symbol **HLT**. On September 27, 2017, the closing sales price of our common stock as reported on the NYSE was \$69.11 per share.

See Risk Factors beginning on page S-5 of this prospectus supplement and in our other filings with the Securities and Exchange Commission incorporated by reference in this prospectus supplement or the accompanying prospectus to read about factors you should consider before buying shares of our common stock.

Neither the Securities and Exchange Commission nor any other regulatory body has approved or disapproved of these securities or passed upon the accuracy or adequacy of this prospectus supplement or the accompanying prospectus. Any representation to the contrary is a criminal offense.

	Per Share	Total
Public offering price	\$ 69.200	\$ 1,011,012,000
Underwriting discounts and commissions	\$ 0.095	\$ 1,387,950
Proceeds, before expenses, to the selling stockholders	\$ 69.105	\$ 1,009,624,050

We have agreed to reimburse the underwriter for certain FINRA-related expenses in connection with this offering. See Underwriting.

The underwriter expects to deliver the shares against payment in New York, New York on or about October 4, 2017.

Goldman Sachs & Co. LLC

September 28, 2017.

Table of Contents

TABLE OF CONTENTS

Prospectus Supplement

	Page
<u>Summary</u>	S-1
<u>Risk Factors</u>	S-5
<u>Forward-Looking Statements</u>	S-5
<u>Use of Proceeds</u>	S-6
<u>Selling Stockholders</u>	S-7
<u>Underwriting</u>	S-9
<u>Certain U.S. Federal Income Tax Consequences to Holders of Our Common Stock</u>	S-17
<u>Legal Matters</u>	S-18
<u>Experts</u>	S-18
<u>Where You Can Find More Information</u>	S-18
<u>Information Incorporated by Reference</u>	S-18

Prospectus

	Page
<u>Prospectus Summary</u>	1
<u>Risk Factors</u>	3
<u>Disclosure Regarding Forward-Looking Statements</u>	3
<u>Trademarks and Service Marks</u>	3
<u>Use of Proceeds</u>	4
<u>Selling Stockholders</u>	5
<u>Description of Capital Stock</u>	7
<u>Material U.S. Federal Income and Estate Tax Consequences to Non-U.S. Holders of Our Common Stock</u>	13
<u>Plan of Distribution</u>	16
<u>Legal Matters</u>	18
<u>Experts</u>	18
<u>Where You Can Find More Information</u>	18
<u>Information Incorporated by Reference</u>	19

Neither we, the selling stockholders nor the underwriter have authorized anyone to provide you with information different from that contained or incorporated by reference in this prospectus supplement, the accompanying prospectus or in any free writing prospectus prepared by us or on our behalf. Neither we, the selling stockholders nor the underwriter take any responsibility for, or can provide any assurance as to the reliability of, any information other than the information contained or incorporated by reference in this prospectus supplement, the accompanying prospectus or any free writing prospectus prepared by us or on our behalf. The selling stockholders and the underwriter are not offering to sell, nor seeking offers to buy, shares of our common stock in any jurisdiction where an offer or sale is not permitted.

You should assume that the information appearing or incorporated by reference in this prospectus supplement, the accompanying prospectus or in any free writing prospectus prepared by us is accurate only as of their respective dates or on the date or dates which are specified in such documents, and that any information in

documents that we have incorporated by reference is accurate only as of the date of such document incorporated by reference. Our business, financial condition, liquidity, results of operations and prospects may have changed since those dates.

For investors outside of the United States, neither we nor the selling stockholders have done anything that would permit the offering, possession or distribution of this prospectus supplement in any jurisdiction where

S-i

Table of Contents

action for that purpose is required, other than in the United States. You are required to inform yourselves about and to observe any restrictions relating to the offering, possession or the distribution of this prospectus supplement outside of the United States.

This document is in two parts. The first part is this prospectus supplement, which describes the terms of this offering of common stock and also adds to and updates information contained in the accompanying prospectus and the documents incorporated by reference into this prospectus supplement and the accompanying prospectus. The second part, the accompanying prospectus dated May 11, 2015, including the documents incorporated by reference therein, provides more general information. Generally, when we refer to this prospectus, we are referring to both parts of this document combined. To the extent there is a conflict between the information contained in this prospectus supplement, on the one hand, and the information contained in the accompanying prospectus or in any document incorporated by reference that was filed with the Securities and Exchange Commission, or SEC, before the date of this prospectus supplement, on the other hand, you should rely on the information in this prospectus supplement. If any statement in one of these documents is inconsistent with a statement in another document having a later date (for example, a document incorporated by reference in this prospectus supplement or in the accompanying prospectus) the statement in the document having the later date modifies or supersedes the earlier statement.

Table of Contents

SUMMARY

This summary highlights information contained elsewhere or incorporated by reference in this prospectus supplement, the accompanying prospectus or any free writing prospectus prepared by us or on our behalf and does not contain all of the information you should consider before investing in shares of our common stock. You should read this entire prospectus supplement, the accompanying prospectus and the documents incorporated by reference herein and therein carefully, including the section entitled "Risk Factors" and the financial statements and the related notes incorporated by reference into this prospectus supplement, the accompanying prospectus or any free writing prospectus prepared by us or on our behalf, before you decide to invest in shares of our common stock.

Except where the context requires otherwise, references in this prospectus supplement to "Hilton," "the Company," "we," "us" and "our" refer to Hilton Worldwide Holdings Inc., together with its consolidated subsidiaries. Except where the context requires otherwise, references to our "properties," "hotels" and "rooms" refer to the hotels, resorts and timeshare properties managed, franchised, owned or leased by us. Of these hotels, resorts and rooms, a portion are directly owned or leased by us or joint ventures in which we have an interest and the remaining hotels, resorts and rooms are owned by our third-party owners.

Investment funds associated with or designated by The Blackstone Group L.P. and their affiliates are referred to herein as "Blackstone."

Hilton

Hilton is one of the largest and fastest growing hospitality companies in the world, with 5,079 properties comprising 825,747 rooms in 103 countries and territories as of June 30, 2017. In the nearly 100 years since our founding, we have defined the hospitality industry and established a portfolio of distinct, market-leading brands. Our premier brand portfolio includes: our luxury and lifestyle hotel brands, Waldorf Astoria Hotels & Resorts, Conrad Hotels & Resorts and Canopy by Hilton; our full service hotel brands, Hilton Hotels & Resorts, Curio – A Collection by Hilton, DoubleTree by Hilton and Embassy Suites by Hilton; our focused service hotel brands, Hilton Garden Inn, Hampton by Hilton, Tru by Hilton, Homewood Suites by Hilton and Home2 Suites by Hilton; our timeshare brand, Hilton Grand Vacations; and our new full service brand, Tapestry Collection by Hilton, launched in January 2017. As of June 30, 2017, more than 161,000 employees served in our managed, owned and leased properties and corporate offices around the world, and we had approximately 67 million members in our award-winning guest loyalty program, Hilton Honors.

On January 3, 2017, we completed the spin-offs of a portfolio of hotels and resorts, as well as our timeshare business, into two independent, publicly traded companies: Park Hotels & Resorts Inc. ("Park ") and Hilton Grand Vacations Inc. ("HGV "), respectively (the "spin-offs "). The spin-offs were completed via a distribution to each of Hilton 's stockholders of record, as of the close of business on December 15, 2016, of 100 percent of the outstanding common stock of each of Park and HGV. Each Hilton stockholder received one share of Park common stock for every five shares of Hilton common stock and one share of HGV common stock for every ten shares of Hilton common stock. Both Park and HGV have their common stock listed on the NYSE under the symbols "PK " and "HGV ", respectively. Hilton did not retain any ownership interest in Park or HGV.

For a description of our business, financial condition, results of operations and other important information regarding Hilton, we refer you to our filings with SEC incorporated by reference in this prospectus supplement or the accompanying prospectus. For instructions on how to find copies of these documents, see "Where You Can Find More Information."

S-1

Table of Contents

Share Repurchases

In February 2017, our board of directors authorized a stock repurchase program of up to \$1.0 billion of our common stock. As of September 25, 2017, we have repurchased approximately 9.9 million shares of our common stock and approximately \$379 million remained available for share repurchases under the program.

Pursuant to an agreement among Hilton and the selling stockholders, we have agreed to repurchase a number of shares equal to the lesser of (x) 6.75% of the number of shares offered in this offering and (y) 1,050,000 shares directly from the selling stockholders in a private, non-underwritten transaction at a price per share of common stock equal to the price paid by the underwriter in this offering. We refer to this repurchase as the share repurchase.

The share repurchase is pursuant to, and will count toward, the stock repurchase program described above. The share repurchase has been approved by the Audit Committee of our board of directors in accordance with our policy on transactions with related persons. The share repurchase is expected to be consummated concurrently with the offering and is conditioned upon the closing of this offering. The closing of this offering is not conditioned upon the closing of the share repurchase, and there can be no assurance that the share repurchase will be consummated. The consummation of the share repurchase will also be contingent on the satisfaction of customary closing conditions.

We intend to fund the share repurchase with cash on hand. As a result, the funding of the share repurchase will, if completed, decrease the amount of cash and cash equivalents on our consolidated balance sheet.

The timing and method of any future repurchases will depend on a variety of factors, including market conditions and our financial condition. The repurchase program does not have an expiration date and may be suspended or discontinued at any time.

This description and the other information in this prospectus supplement regarding the share repurchase are included in this prospectus supplement solely for informational purposes. Nothing in this prospectus supplement should be construed as an offer to sell, or the solicitation of an offer to buy, any of our common stock subject to the share repurchase.

Hilton Worldwide Holdings Inc. was incorporated in Delaware in March 2010. In 1919, our founder Conrad Hilton purchased his first hotel in Cisco, Texas. Through our predecessors, we commenced operations in 1946. Our principal executive offices are located at 7930 Jones Branch Drive, Suite 1100, McLean, Virginia 22102 and our telephone number is (703) 883-1000.

Table of Contents

The Offering

Common stock offered by the selling stockholders	14,610,000 shares.
Common stock outstanding after this offering and the share repurchase	319,992,070 shares.
Use of proceeds	We will not receive any of the proceeds from the sale of shares of our common stock by the selling stockholders.
Share repurchase	We have entered into an agreement with the selling stockholders to repurchase up to 986,175 shares directly from the selling stockholders in a private, non-underwritten transaction at a price per share equal to the price paid by the underwriter in this offering. The share repurchase is expected to be consummated concurrently with the offering and is conditioned upon the closing of this offering. The closing of this offering is not conditioned upon the consummation of the share repurchase. See Share Repurchases.
Dividend policy	In July 2017, our board of directors authorized a regular quarterly cash dividend of \$0.15 per share on shares of our common stock to be paid on or before September 29, 2017 to stockholders of record of our common stock as of the close of business on August 18, 2017. Although we currently pay a quarterly cash dividend to holders of our common stock, we have no obligation to do so, and our dividend policy may change at any time without notice to our stockholders. The declaration and payment of dividends is at the discretion of our board of directors in accordance with applicable law after taking into account various factors, including our financial condition, operating results, current and anticipated cash needs, limitations imposed by our indebtedness, legal requirements and other factors that our board of directors deems relevant.
Risk Factors	See Risk Factors beginning on page S-5 of this prospectus supplement and in our other filings with the SEC incorporated by reference in this prospectus supplement or the accompanying prospectus for a discussion of risks you should carefully consider before deciding to invest in our common stock.
Listing	Our common stock is listed on the NYSE under the symbol HLT.

The number of shares of common stock that will be outstanding after this offering and the share repurchase is based on 320,978,245 shares of our common stock outstanding as of September 25, 2017, and assumes the 986,175 shares to be purchased pursuant to the share repurchase were held as treasury shares as of September 25, 2017. The number of issued and outstanding shares of our common stock as of September 25, 2017 excludes:

an aggregate of 3,007,026 shares issuable upon settlement of time-vesting and performance-vesting restricted stock units and restricted stock awards outstanding under our equity incentive plans as of such date;

S-3

Table of Contents

an aggregate of approximately 2,011,006 shares issuable upon exercise of stock options outstanding under our equity incentive plans as of such date with a weighted-average exercise price of \$51.22 per share; and

an aggregate of 17,970,143 shares reserved for future issuance under our equity incentive plans as of such date.

S-4

Table of Contents

RISK FACTORS

Investing in our common stock involves risks. You should carefully consider the risks and uncertainties described in our Annual Report on Form 10-K for the year ended December 31, 2016, which is incorporated by reference into this prospectus supplement. You should also carefully consider the other information contained or incorporated by reference in this prospectus supplement and in the accompanying prospectus before acquiring any shares of our common stock. These risks could materially affect our business, results of operations or financial condition and cause the value of our common stock to decline. You could lose all or part of your investment.

FORWARD-LOOKING STATEMENTS

This prospectus supplement, the accompanying prospectus and the documents incorporated by reference contain or incorporate by reference forward-looking statements within the meaning of Section 27A of the Securities Act and Section 21E of the Securities Exchange Act of 1934, as amended, or Exchange Act. These statements include all statements that are not historical facts. In some cases, you can identify these forward-looking statements by the use of words such as outlook, believes, expects, potential, continues, may, will, should, could, seeks, intends, plans, estimates, anticipates or the negative version of these words or other comparable words. Such forward-looking statements are subject to various risks and uncertainties, including, among others, risks inherent to the hospitality industry, macroeconomic factors beyond our control, competition for hotel guests and management and franchise agreements, risks related to doing business with third-party hotel owners, performance of our information technology systems, growth of reservation channels outside of our system, risks of doing business outside of the United States and our indebtedness. Additional factors that could cause actual outcomes or results to differ materially from those indicated in these statements are described under Risk Factors in our Annual Report on Form 10-K for the year ended December 31, 2016, as such factors may be updated from time to time in our periodic filings with the SEC, as well as the other information contained or incorporated by reference in this prospectus supplement and the accompanying prospectus. These factors should not be construed as exhaustive and should be read in conjunction with the other cautionary statements that are included or incorporated by reference in this prospectus supplement and the accompanying prospectus. We undertake no obligation to publicly update or review any forward-looking statement, whether as a result of new information, future developments or otherwise, except as required by law.

Table of Contents

USE OF PROCEEDS

We will not receive any of the proceeds from the sale of shares of our common stock by the selling stockholders.

S-6

Table of Contents**SELLING STOCKHOLDERS**

The following table sets forth information regarding the beneficial ownership of shares of our common stock as of September 25, 2017, before and after giving effect to this offering by the selling stockholders and the share repurchase. We have entered into an agreement with the selling stockholders to repurchase up to 986,175 shares directly from the selling stockholders in a private, non-underwritten transaction at a price per share equal to the price paid by the underwriter in this offering. The share repurchase is expected to be consummated concurrently with the offering and is conditioned upon the closing of this offering. The closing of this offering is not conditioned upon the consummation of the share repurchase. See Summary Share Repurchases.

Name	Shares Beneficially Owned Prior to Offering and Share Repurchase		Shares to be Sold in the Offering	Shares Beneficially Owned After the Offering and Share Repurchase	
	Number	Percent		Number	Percent
Blackstone(1)	32,860,678	10.2%	14,610,000	17,264,503	5.4%

(1) Reflects the share repurchase of 986,175 shares from the selling stockholders.

The selling stockholders in this offering are HLT Holdco III LLC, HLT BREH VI Holdco LLC, HLT BREP VI.TE.2 Holdco LLC, HLT BREH Intl II Holdco LLC, HLT A23 BREH VI Holdco LLC and HLT A23 Holdco LLC. They are offering 12,834,579; 45,019; 1,278,034; 7,587; 2,649 and 442,132 shares, respectively; provided that the number of shares to be sold by the selling stockholders may be reallocated among the selling stockholders at the time of pricing this offering based upon the price at which the shares are sold by them to the underwriter.

Reflects 28,867,417 shares of common stock directly held by HLT Holdco III LLC, 2,874,542 shares of common stock directly held by HLT BREP VI.TE.2 Holdco LLC, 101,257 shares of common stock directly held by HLT BREH VI Holdco LLC, 17,065 shares of common stock directly held by HLT BREH Intl II Holdco LLC, 994,439 shares of common stock directly held by HLT A23 Holdco LLC and 5,958 shares of common stock directly held by HLT A23 BREH VI Holdco LLC (together, the Blackstone Funds). The sole member of HLT Holdco III LLC is HLT Holdco II LLC. The sole member of HLT Holdco II LLC is HLT Holdco LLC.

The sole member of HLT Holdco LLC, HLT BREH VI Holdco LLC and HLT A23 Holdco LLC is BH Hotels Holdco LLC (BH Hotels). The managing members of BH Hotels are Blackstone Real Estate Partners VI L.P. and Blackstone Capital Partners V L.P. The general partner of Blackstone Capital Partners V L.P. is Blackstone Management Associates V L.L.C. The sole member of Blackstone Management Associates V L.L.C. is BMA V L.L.C. The general partner of Blackstone Real Estate Partners VI L.P. is Blackstone Real Estate Associates VI L.P. The general partner of Blackstone Real Estate Associates VI L.P. is BREA VI L.L.C. The managing member of each of BREA VI L.L.C. and BMA V L.L.C. is Blackstone Holdings III L.P.

The sole member of HLT BREH Intl II Holdco LLC is HLT BREH Intl II Holdings Holdco LLC. The controlling member of HLT BREH Intl II Holdings Holdco LLC is Blackstone Real Estate Holdings International II-Q L.P. The general partner of Blackstone Real Estate Holdings International II-Q L.P. is BREP International II-Q GP L.P. The general partner of BREP International II-Q GP L.P. is BREP International II-Q GP L.L.C. The sole member of BREP International II-Q GP L.L.C. is Blackstone Holdings III L.P.

The sole member of HLT BREP VI.TE.2 Holdco LLC is HLT BREP VI.TE.2 Holdings Holdco LLC. The sole member of HLT BREP VI.TE.2 Holdings Holdco LLC is Blackstone Real Estate Partners VI.TE.2 L.P. The general partner of Blackstone Real Estate Partners VI.TE.2 L.P. is Blackstone Real Estate Associates VI L.P. The general partner of Blackstone Real Estate Associates VI L.P. is BREA VI L.L.C. The managing member of BREA VI L.L.C. is Blackstone Holdings III L.P.

S-7

Table of Contents

The sole member of HLT A23 BREH VI Holdco LLC is HLT BREH VI-A Holdings Holdco LLC. The sole member of HLT BREH VI-A Holdings Holdco LLC is Blackstone Real Estate Holdings VI L.P. The general partner of Blackstone Real Estate Holdings VI L.P. is BREP VI Side-by-Side GP L.L.C. The sole member of BREP VI Side-by-Side GP L.L.C. is Blackstone Holdings III L.P.

The general partner of Blackstone Holdings III L.P. is Blackstone Holdings III GP L.P. The general partner of Blackstone Holdings III GP L.P. is Blackstone Holdings III GP Management L.L.C. The sole member of Blackstone Holdings III GP Management L.L.C. is The Blackstone Group L.P. The general partner of The Blackstone Group L.P. is Blackstone Group Management L.L.C. Blackstone Group Management L.L.C. is wholly-owned by Blackstone's senior managing directors and controlled by its founder, Stephen A. Schwarzman. Each of such Blackstone entities (other than each of the Blackstone Funds to the extent they directly hold securities reported herein) and Mr. Schwarzman may be deemed to beneficially own the shares beneficially owned by the Blackstone Funds directly or indirectly controlled by it or him, but each disclaims beneficial ownership of such shares. Also reflects 153,392 shares of common stock directly owned by Mr. Schwarzman. The address of each of Mr. Schwarzman and each of the entities listed in this footnote is c/o The Blackstone Group L.P., 345 Park Avenue, New York, New York 10154.

Based on information provided to us, as of the date of this prospectus supplement, Blackstone entities have pledged, hypothecated or granted security interests in substantially all of the shares of our common stock held by them pursuant to a margin loan agreement with customary default provisions. In the event of a default under the margin loan agreement, the secured parties may foreclose upon any and all shares of common stock pledged to them and may seek recourse against the borrower.

Table of Contents

UNDERWRITING

Goldman Sachs & Co. LLC is acting as sole book-running manager and underwriter of the offering. Subject to the terms and conditions of the underwriting agreement, the underwriter has agreed to purchase, and the selling stockholders have agreed to sell to the underwriter, 14,610,000 shares of common stock.

The underwriting agreement provides that the underwriter's obligation to purchase shares of common stock depends on the satisfaction of the conditions contained in the underwriting agreement including:

the obligation to purchase all of the shares of common stock offered hereby, if any of the shares are purchased;

the representations and warranties made by us and the selling stockholders to the underwriter are true;

there is no material change in our business or the financial markets; and

customary closing documents are delivered to the underwriter.

The offering of the shares by the underwriter is subject to receipt and acceptance and subject to the underwriter's right to reject any order in whole or in part.

Commissions and Expenses

The following table summarizes the underwriting discounts and commissions the selling stockholders will pay to the underwriter. The underwriting fee is the difference between the price to the public and the amount the underwriter pays the selling stockholders for the shares.

	Per Share	Total
Public offering price	\$ 69.200	\$ 1,011,012,000
Underwriting discounts and commissions to be paid by the selling stockholders	\$ 0.095	\$ 1,387,950

The underwriter has advised us that the underwriter proposes to offer the shares of common stock directly to the public at the public offering price on the cover of this prospectus supplement and to selected dealers, at such offering price less a selling concession not in excess of \$0.0475 per share. After this offering, the underwriter may change the offering price and other selling terms.

The expenses of this offering that are payable by us are estimated to be approximately \$1.0 million (excluding underwriting discounts and commissions), including up to \$10,000 in connection with the qualification of this offering with FINRA by counsel to the underwriter.

Table of Contents

No Sales of Similar Securities

We, our executive officers and directors and the selling stockholders, have agreed, not to sell or transfer any common stock or securities convertible into, exchangeable for, exercisable for, or repayable with common stock, for 30 days after the date of this prospectus supplement without first obtaining the written consent of the underwriter. Specifically, we and these other persons have agreed, with certain limited exceptions, not to offer, sell, contract to sell, pledge, grant any option to purchase, make any short sale or otherwise dispose of any common stock, or any options or warrants to purchase any common stock, or any securities convertible into, exchangeable for or that represent the right to receive common stock, whether now owned or hereinafter acquired, owned directly by us or these other persons (including holding as a custodian) or with respect to which we or such other persons has beneficial ownership within the rules and regulations of the SEC. We and such other persons have agreed that these restrictions expressly preclude us and such other persons from engaging in any hedging or other transaction which is designed to or which reasonably could be expected to lead to or result in a sale or disposition of our or such other persons' common stock if such common stock would be disposed of by someone other than us or such other persons. Prohibited hedging or other transactions includes any short sale or any purchase, sale or grant of any right (including without limitation any put or call option) with respect to any of our or such other persons' common stock or with respect to any security that includes, relates to, or derives any significant part of its value from such common stock.

The restrictions described in the paragraph above do not apply to:

the transfer by a security holder of shares of common stock or any securities convertible into, exchangeable for, exercisable for, or repayable with common stock (1) by will or intestacy, (2) as a bona fide gift or gifts, including to charitable organizations, (3) to any trust, partnership, limited liability company or other entity for the direct or indirect benefit of a security holder or the immediate family of such security holder, (4) to any immediate family member or other dependent of the security holder, (5) as a distribution to limited partners, members or stockholders of the security holder, (6) to the security holder's affiliates or to any investment fund or other entity controlled or managed by the security holder, (7) to a nominee or custodian of a person or entity to whom a disposition or transfer would be permissible under clauses (1) through (6) above, (8) pursuant to an order of a court or regulatory agency, (9) from an executive officer of us or our parent entities upon death, disability or termination of employment, in each case, of such executive officer, (10) in connection with transactions by any person other than us relating to shares of this offering acquired in open market transactions after the completion of this offering provided that in the case of this clause (10) no filing under Section 16 of the Exchange Act shall be required or shall be voluntarily made, (11) pursuant to a divestment, upon resignation of a director, that is necessary or appropriate in connection with commencement of government service, provided that in the case of this clause (11), no public reports or filings reporting a reduction in beneficial ownership of common stock shall be required or shall be voluntarily made (other than any such filing required under Section 16(a) that states the nature of such divestment) and/or (12) with the prior written consent of the underwriter; provided that: (x) in the case of each transfer or distribution pursuant to clauses (2) through (7) and (9) above, (i) each donee, trustee, distributee or transferee (other than charitable organizations transferees or recipients with respect to a maximum of 2.5 million shares of common stock transferred pursuant to clause (2) above), as the case may be, agrees to be bound in writing by the restrictions described in this section and (ii) any such transfer or distribution shall not involve a disposition for value, other than with respect to any such transfer or distribution for which the transferor or distributor receives (A) equity interests of such transferee or (B) such transferee's interests in the transferor; and (y) in the case of each transfer or distribution pursuant to clauses (2) through (7), if any filing under Section 16 of the Exchange Act shall be required or shall be voluntarily

made (i) the security holder shall provide the underwriter prior written notice informing them of such filing and (ii) such filing shall disclose that such donee, trustee, distributee or transferee (other than charitable organizations transferees or recipients with respect to a maximum of 2.5 million shares of common stock transferred pursuant to clause (2) above), as the case may be, agrees to be bound in writing by the restrictions described in this section;

S-10

Table of Contents

if the security holder is a corporation, the corporation may transfer our capital stock to any wholly owned subsidiary of such corporation; provided, however, that in any such case, it shall be a condition to the transfer that the transferee execute an agreement stating that the transferee is receiving and holding such capital stock subject to the provisions of the lock-up agreement and there shall be no further transfer of such capital stock except in accordance with the lock-up agreement, and provided further that any such transfer shall not involve a disposition for value;

the sale of the security holder's shares pursuant to the underwriting agreement; any sales made pursuant to an existing trading plan pursuant to Rule 10b5-1 under the Exchange Act, provided that any filing under Section 16(a) of the Exchange Act that is made in connection with any such sales during the lock-up period shall state that such sales have been executed under a trading plan pursuant to Rule 10b5-1 under the Exchange Act, and shall also state the date such trading plan was adopted;

the establishment by a security holder of a trading plan pursuant to Rule 10b5-1 under the Exchange Act, provided that no transfers occur under such plan during the lock-up period and no public announcement or filing shall be required or voluntarily made by any person in connection therewith other than general disclosure in our periodic reports to the effect that our directors and officers may enter into such trading plans from time to time; and/or

the pledge, hypothecation or other granting of a security interest in shares of common stock by Blackstone to one or more banks or financial institutions as collateral or security for any loan, advance or extension of credit and any transfer upon foreclosure upon such shares or thereafter, provided that Blackstone or we, as the case may be, shall provide underwriter prior written notice informing them of any public filing, report or announcement made by or on behalf of Blackstone or us relating thereto.

Indemnification

We and the selling stockholders have agreed to indemnify the underwriter against certain liabilities, including liabilities under the Securities Act, liabilities arising from breaches of the representations and warranties contained in the underwriting agreement and to contribute to payments that the underwriter may be required to make for these liabilities.

Stabilization and Short Positions

The underwriter may engage in stabilizing transactions, short sales and purchases to cover positions created by short sales, and purchases for the purpose of pegging, fixing or maintaining the price of our common stock, in accordance with Regulation M under the Exchange Act.

Stabilizing transactions permit bids to purchase the underlying security so long as the stabilizing bids do not exceed a specified maximum.

A short position involves a sale by the underwriter of shares in excess of the number of shares the underwriter is obligated to purchase in this offering, which creates the naked short position. In a naked short

position, the underwriter may close out any short position by purchasing shares in the open market.

Covering transactions involve purchases of our common stock in the open market after the distribution has been completed to cover short positions.

These stabilizing transactions, covering transactions and penalty bids may have the effect of raising or maintaining the market price of our common stock or preventing or retarding a decline in the market price of our common stock. As a result, the price of our common stock may be higher than the price that might otherwise exist in the open market. These transactions may be effected on the NYSE or otherwise and, if commenced, may be discontinued at any time.

Neither we nor the underwriter make any representation or prediction as to the direction or magnitude of any effect that the transactions described above may have on the price of our common stock. In addition, neither we

S-11

Table of Contents

nor the underwriter make any representation that the underwriter will engage in these stabilizing transactions or that any transaction, once commenced, will not be discontinued without notice.

Electronic Distribution

In connection with this offering, the underwriter or certain securities dealers may distribute prospectuses by electronic means, such as e-mail. In addition, the underwriter may facilitate Internet distribution for this offering to certain of its Internet subscription customers. The underwriter may allocate a limited number of shares for sale to its online brokerage customers. A prospectus in electronic format is being made available on an Internet web site maintained by the underwriter. Other than the prospectus in electronic format, the information on the underwriter's web site and any information contained in any other web site maintained by the underwriter is not part of the prospectus or the registration statement of which the prospectus forms a part.

Listing

Our common stock is listed on the NYSE under the symbol HLT.

Discretionary Sales

The underwriter has informed us that it does not intend to confirm sales to discretionary accounts that exceed 5% of the total number of shares offered by it.

Stamp Taxes

Purchasers of the shares of our common stock offered in this prospectus supplement and the accompanying prospectus may be required to pay stamp taxes and other charges under the laws and practices of the country of purchase, in addition to the offering price listed on the cover page of this prospectus supplement. Accordingly, we urge you to consult a tax advisor with respect to whether you may be required to pay those taxes or charges, as well as any other tax consequences that may arise under the laws of the country of purchase.

Relationships

The underwriter and its affiliates are full service financial institutions engaged in various activities, which may include securities trading, commercial and investment banking, financial advisory, investment management, investment research, principal investment, hedging, financing and brokerage activities. The underwriter and its affiliates have, from time to time, performed, and may in the future perform, various financial advisory and investment banking services for us, for which they may receive customary fees and expenses, and may currently be, or may in the future be, lenders to us under facilities that we have entered into, or may in the future enter into from time to time.

In addition, in the ordinary course of business, the underwriter and its affiliates may make or hold a broad array of investments including serving as counterparties to certain derivative and hedging arrangements and actively trade debt and equity securities (or related derivative securities) and financial instruments (including bank loans) for their own account and for the accounts of their customers, and such investment and securities activities may involve securities and/or instruments of the issuer. The underwriter and its affiliates may also make investment recommendations and/or publish or express independent research views in respect of such securities or instruments and may at any time hold, or recommend to clients that they acquire, long and/or short positions in such securities and instruments.

Settlement

We expect that delivery of the shares of common stock will be made against payment therefor on or about the closing date specified on the cover page of this prospectus supplement, which is the third business day following the date of pricing of the shares of common stock (this settlement cycle being referred to as T+3). Under Rule 15c6-1 of the Exchange Act, trades in the secondary market generally are required to settle in two

S-12

Table of Contents

business days, unless the parties to any such trade expressly agree otherwise. Accordingly, purchasers who wish to trade the shares of common stock on the date of pricing or the next succeeding business day will be required, by virtue of the fact that the notes initially will settle in T+3, to specify an alternate settlement cycle at the time of any such trade to prevent a failed settlement and should consult their own advisors.

Notice to Prospective Investors in Canada

The shares may be sold only to purchasers purchasing, or deemed to be purchasing, as principal that are accredited investors, as defined in National Instrument 45-106 *Prospectus Exemptions* or subsection 73.3(1) of the Securities Act (Ontario), and are permitted clients, as defined in National Instrument 31-103 *Registration Requirements, Exemptions and Ongoing Registrant Obligations*. Any resale of the shares must be made in accordance with an exemption from, or in a transaction not subject to, the prospectus requirements of applicable securities laws.

Securities legislation in certain provinces or territories of Canada may provide a purchaser with remedies for rescission or damages if this prospectus supplement (including any amendment thereto) or the accompanying prospectus contains a misrepresentation, provided that the remedies for rescission or damages are exercised by the purchaser within the time limit prescribed by the securities legislation of the purchaser's province or territory. The purchaser should refer to any applicable provisions of the securities legislation of the purchaser's province or territory for particulars of these rights or consult with a legal advisor.

Pursuant to section 3A.3 of National Instrument 33-105 *Underwriting Conflicts* (NI 33-105), the underwriter is not required to comply with the disclosure requirements of NI 33-105 regarding underwriter conflicts of interest in connection with this offering.

Notice to Prospective Investors in the European Economic Area

In relation to each Member State of the European Economic Area which has implemented the Prospectus Directive (each, a Relevant Member State), with effect from and including the date on which the Prospectus Directive is implemented in that Relevant Member State, no offer of shares may be made to the public in that Relevant Member State other than:

to any legal entity which is a qualified investor as defined in the Prospectus Directive;

to fewer than 100 or, if the Relevant Member State has implemented the relevant provision of the 2010 PD Amending Directive, 150, natural or legal persons (other than qualified investors as defined in the Prospectus Directive), as permitted under the Prospectus Directive, subject to obtaining the prior consent of the underwriter; or

in any other circumstances falling within Article 3(2) of the Prospectus Directive, provided that no such offer of shares shall require the Company or the underwriter to publish a prospectus pursuant to Article 3 of the Prospectus Directive or supplement a prospectus pursuant to Article 16 of the Prospectus Directive.

Each person in a Relevant Member State (other than a Relevant Member State where there is a Permitted Public Offer) who initially acquires any shares or to whom any offer is made will be deemed to have represented, acknowledged and agreed that (A) it is a qualified investor within the meaning of the law in that Relevant Member

State implementing Article 2(1)(e) of the Prospectus Directive, and (B) in the case of any shares acquired by it as a financial intermediary, as that term is used in Article 3(2) of the Prospectus Directive, the shares acquired by it in this offering have not been acquired on behalf of, nor have they been acquired with a view to their offer or resale to, persons in any Relevant Member State other than qualified investors as defined in the Prospectus Directive, or in circumstances in which the prior consent of the underwriter has been given to the offer or resale. In the case of any shares being offered to a financial intermediary as that term is used in

S-13

Table of Contents

Article 3(2) of the Prospectus Directive, each such financial intermediary will be deemed to have represented, acknowledged and agreed that the shares acquired by it in the offer have not been acquired on a non-discretionary basis on behalf of, nor have they been acquired with a view to their offer or resale to, persons in circumstances which may give rise to an offer of any shares to the public other than their offer or resale in a Relevant Member State to qualified investors as so defined or in circumstances in which the prior consent of the underwriter has been obtained to each such proposed offer or resale.

The Company, the underwriter and their respective affiliates will rely upon the truth and accuracy of the foregoing representation, acknowledgement and agreement.

This prospectus supplement and accompanying prospectus has been prepared on the basis that any offer of shares in any Relevant Member State will be made pursuant to an exemption under the Prospectus Directive from the requirement to publish a prospectus for offers of shares. Accordingly, any person making or intending to make an offer in that Relevant Member State of shares which are the subject of the offering contemplated in this prospectus supplement and accompanying prospectus may only do so in circumstances in which no obligation arises for the Company or the underwriter to publish a prospectus pursuant to Article 3 of the Prospectus Directive in relation to such offer. Neither the Company nor the underwriter has authorized, nor do they authorize, the making of any offer of shares in circumstances in which an obligation arises for the Company or the underwriter to publish a prospectus supplement and accompanying prospectus for such offer.

For the purpose of the above provisions, the expression "an offer to the public" in relation to any shares in any Relevant Member State means the communication in any form and by any means of sufficient information on the terms of the offer and the shares to be offered so as to enable an investor to decide to purchase or subscribe the shares, as the same may be varied in the Relevant Member State by any measure implementing the Prospectus Directive in the Relevant Member State and the expression "Prospectus Directive" means Directive 2003/71/EC (including the 2010 PD Amending Directive, to the extent implemented in the Relevant Member States) and includes any relevant implementing measure in the Relevant Member State, and the expression "2010 PD Amending Directive" means Directive 2010/73/EU.

Notice to Prospective Investors in the United Kingdom

The underwriter agrees that:

it has only communicated or caused to be communicated and will only communicate or cause to be communicated an invitation or inducement to engage in investment activity (within the meaning of Section 21 of the Financial Services and Markets Act of 2000 (the "FSMA")) received by it in connection with the issue or sale of the shares in circumstances in which Section 21(1) of the FSMA does not apply to the Company; and

it has complied and will comply with all applicable provisions of the FSMA with respect to anything done by it in relation to the shares in, from or otherwise involving the United Kingdom.

Notice to Prospective Investors in Hong Kong

The shares may not be offered or sold in Hong Kong by means of any document other than (i) in circumstances which do not constitute an offer to the public within the meaning of the Companies Ordinance (Cap.32, Laws of Hong

Kong), or (ii) to professional investors within the meaning of the Securities and Futures Ordinance (Cap.571, Laws of Hong Kong) and any rules made thereunder, or (iii) in other circumstances which do not result in the document being a prospectus within the meaning of the Companies Ordinance (Cap.32, Laws of Hong Kong), and no advertisement, invitation or document relating to the shares may be issued or may be in the possession of any person for the purpose of issue (in each case whether in Hong Kong or elsewhere), which is directed at, or the contents of which are likely to be accessed or read by, the public in Hong Kong (except if permitted to do so under the laws of Hong Kong) other than with respect to shares which

S-14

Table of Contents

are or are intended to be disposed of only to persons outside Hong Kong or only to professional investors within the meaning of the Securities and Futures Ordinance (Cap. 571, Laws of Hong Kong) and any rules made thereunder.

Notice to Prospective Investors in Singapore

This prospectus supplement and accompanying prospectus has not been registered as a prospectus with the Monetary Authority of Singapore. Accordingly, this prospectus supplement and accompanying prospectus and any other document or material in connection with the offer or sale, or invitation for subscription or purchase, of the shares may not be circulated or distributed, nor may the shares be offered or sold, or be made the subject of an invitation for subscription or purchase, whether directly or indirectly, to persons in Singapore other than (i) to an institutional investor under Section 274 of the Securities and Futures Act, Chapter 289 of Singapore (the SFA), (ii) to a relevant person, or any person pursuant to Section 275(1A), and in accordance with the conditions, specified in Section 275 of the SFA or (iii) otherwise pursuant to, and in accordance with the conditions of, any other applicable provision of the SFA.

Where the shares are subscribed or purchased under Section 275 by a relevant person which is: (a) a corporation (which is not an accredited investor) the sole business of which is to hold investments and the entire share capital of which is owned by one or more individuals, each of whom is an accredited investor; or (b) a trust (where the trustee is not an accredited investor) whose sole purpose is to hold investments and each beneficiary is an accredited investor, shares, debentures and units of shares and debentures of that corporation or the beneficiaries' rights and interest in that trust shall not be transferable for 6 months after that corporation or that trust has acquired the shares under Section 275 except: (1) to an institutional investor under Section 274 of the SFA or to a relevant person, or any person pursuant to Section 275(1A), and in accordance with the conditions, specified in Section 275 of the SFA; (2) where no consideration is given for the transfer; or (3) by operation of law.

Notice to Prospective Investors in Japan

The securities have not been and will not be registered under the Financial Instruments and Exchange Law of Japan (the Financial Instruments and Exchange Law) and the underwriter has agreed that it will not offer or sell any securities, directly or indirectly, in Japan or to, or for the benefit of, any resident of Japan (which term as used herein means any person resident in Japan, including any corporation or other entity organized under the laws of Japan), or to others for re-offering or resale, directly or indirectly, in Japan or to a resident of Japan, except pursuant to an exemption from the registration requirements of, and otherwise in compliance with, the Financial Instruments and Exchange Law and any other applicable laws, regulations and ministerial guidelines of Japan.

Notice to Prospective Investors in Australia

No placement document, prospectus, product disclosure statement or other disclosure document has been lodged with the Australian Securities and Investments Commission (ASIC), in relation to this offering. This prospectus supplement and accompanying prospectus does not constitute a prospectus, product disclosure statement or other disclosure document under the Corporations Act 2001 (the Corporations Act), and does not purport to include the information required for a prospectus, product disclosure statement or other disclosure document under the Corporations Act.

Any offer in Australia of the shares may only be made to persons (the Exempt Investors) who are sophisticated investors (within the meaning of section 708(8) of the Corporations Act), professional investors (within the meaning of section 708(11) of the Corporations Act) or otherwise pursuant to one or more exemptions contained in section 708 of the Corporations Act so that it is lawful to offer the shares without disclosure to investors under Chapter 6D of the

Corporations Act.

S-15

Table of Contents

The shares applied for by Exempt Investors in Australia must not be offered for sale in Australia in the period of 12 months after the date of allotment under this offering, except in circumstances where disclosure to investors under Chapter 6D of the Corporations Act would not be required pursuant to an exemption under section 708 of the Corporations Act or otherwise or where the offer is pursuant to a disclosure document which complies with Chapter 6D of the Corporations Act. Any person acquiring shares must observe such Australian on-sale restrictions.

This prospectus supplement and accompanying prospectus contains general information only and does not take account of the investment objectives, financial situation or particular needs of any particular person. It does not contain any securities recommendations or financial product advice. Before making an investment decision, investors need to consider whether the information in this prospectus supplement and accompanying prospectus is appropriate to their needs, objectives and circumstances, and, if necessary, seek expert advice on those matters.

Notice to Prospective Investors in the Dubai International Financial Centre

This prospectus supplement and accompanying prospectus relates to an Exempt Offer in accordance with the Offered Securities Rules of the Dubai Financial Services Authority (the DFSA). This prospectus supplement and accompanying prospectus is intended for distribution only to persons of a type specified in the Offered Securities Rules of the DFSA. It must not be delivered to, or relied on by, any other person. The DFSA has no responsibility for reviewing or verifying any documents in connection with Exempt Offers. The DFSA has not approved this prospectus supplement and accompanying prospectus nor taken steps to verify the information set forth herein and has no responsibility for the prospectus supplement and accompanying prospectus. The shares to which this prospectus supplement and accompanying prospectus relates may be illiquid and/or subject to restrictions on their resale. Prospective purchasers of the shares offered should conduct their own due diligence on the shares. If you do not understand the contents of this prospectus supplement and accompanying prospectus you should consult an authorized financial advisor.

Notice to Prospective Investors in Switzerland

We have not and will not register with the Swiss Financial Market Supervisory Authority (FINMA) as a foreign collective investment scheme pursuant to Article 119 of the Federal Act on Collective Investment Scheme of 23 June 2006, as amended (CISA), and accordingly the securities being offered pursuant to this prospectus supplement and accompanying prospectus have not and will not be approved, and may not be licensable, with FINMA. Therefore, the securities have not been authorized for distribution by FINMA as a foreign collective investment scheme pursuant to Article 119 CISA and the securities offered hereby may not be offered to the public (as this term is defined in Article 3 CISA) in or from Switzerland. The securities may solely be offered to qualified investors, as this term is defined in Article 10 CISA, and in the circumstances set out in Article 3 of the Ordinance on Collective Investment Scheme of 22 November 2006, as amended (CISO), such that there is no public offer. Investors, however, do not benefit from protection under CISA or CISO or supervision by FINMA. This prospectus supplement and accompanying prospectus and any other materials relating to the securities are strictly personal and confidential to each offeree and do not constitute an offer to any other person.

This prospectus supplement and accompanying prospectus may only be used by those qualified investors to whom it has been handed out in connection with the offer described herein and may neither directly or indirectly be distributed or made available to any person or entity other than its recipients. It may not be used in connection with any other offer and shall in particular not be copied and/or distributed to the public in Switzerland or from Switzerland. This prospectus supplement and accompanying prospectus does not constitute an issue prospectus as that term is understood pursuant to Article 652a and/or 1156 of the Swiss Federal Code of Obligations. We have not applied for a listing of the securities on the SIX Swiss Exchange or any other regulated securities market in Switzerland, and

consequently, the information presented in this prospectus supplement and accompanying prospectus does not necessarily comply with the information standards set out in the listing rules of the SIX Swiss Exchange and corresponding prospectus schemes annexed to the listing rules of the SIX Swiss Exchange.

S-16

Table of Contents

CERTAIN U.S. FEDERAL INCOME TAX CONSEQUENCES TO HOLDERS OF OUR COMMON STOCK

Prospective investors should refer to the section "Material U.S. Federal Income and Estate Tax Consequences to Non-U.S. Holders of Our Common Stock" in the accompanying prospectus for a discussion of the material U.S. federal income and estate tax consequences to a non-U.S. holder (as defined therein) of the purchase, ownership and disposition of common stock. This section supplements such discussion and, in the event of any inconsistency, you should rely on the information in this section.

Under Sections 1471 through 1474 of the Internal Revenue Code of 1986, as amended (the "Code") (such Sections commonly referred to as "FATCA"), regulations and administrative guidance, a 30% United States federal withholding tax may apply to any dividends paid on our common stock, and, for a disposition of our common stock occurring after December 31, 2018, to the gross proceeds from such disposition, in each case paid to (i) a foreign financial institution (as specifically defined in the Code), whether such foreign financial institution is the beneficial owner or an intermediary, unless such foreign financial institution agrees to verify, report and disclose its United States account holders (as specifically defined in the Code) and meets certain other specified requirements or (ii) a non-financial foreign entity, whether such non-financial foreign entity is the beneficial owner or an intermediary, unless such entity provides a certification that the beneficial owner of the payment does not have any substantial United States owners or provides the name, address and taxpayer identification number of each such substantial United States owner and certain other specified requirements are met. In certain cases, the relevant foreign financial institution or non-financial foreign entity may qualify for an exemption from, or be deemed to be in compliance with, FATCA. You should consult your own tax advisor regarding FATCA and whether it may be relevant to your ownership and disposition of our common stock.

Table of Contents

LEGAL MATTERS

Certain legal matters will be passed upon for us and the selling stockholders by Simpson Thacher & Bartlett LLP, New York, New York. Certain legal matters in connection with this offering will be passed upon for the underwriter by Davis Polk & Wardwell LLP, New York, New York. An investment vehicle comprised of selected partners of Simpson Thacher & Bartlett LLP, members of their families, related persons and others owns an interest representing less than 1 percent of the capital commitments of funds affiliated with The Blackstone Group L.P.

EXPERTS

The consolidated financial statements of Hilton Worldwide Holdings Inc. incorporated by reference in Hilton Worldwide Holdings Inc.'s Current Report (Form 8-K) dated July 26, 2017 for the year ended December 31, 2016, have been audited by Ernst & Young LLP, independent registered public accounting firm, as set forth in their report thereon, incorporated by reference therein, and incorporated herein by reference. Such consolidated financial statements are incorporated herein by reference in reliance upon such report given on the authority of such firm as experts in accounting and auditing.

WHERE YOU CAN FIND MORE INFORMATION

This prospectus supplement and the accompanying prospectus are part of the registration statement on Form S-3 we filed with the SEC under the Securities Act and do not contain all the information set forth in the registration statement. Whenever a reference is made in this prospectus supplement or the accompanying prospectus to any of our contracts, agreements or other documents, the reference may not be complete and you should refer to the exhibits that are a part of the registration statement or the exhibits to the reports or other documents incorporated by reference in this prospectus supplement and the accompanying prospectus for a copy of such contract, agreement or other document. Because we are subject to the information and reporting requirements of the Exchange Act, we file annual, quarterly and current reports, proxy statements and other information with the SEC. Our SEC filings are available to the public over the Internet at the SEC's website at <http://www.sec.gov>. You may also read and copy any document we file at the SEC's Public Reference Room at 100 F Street, N.E., Washington, D.C. 20549. Please call the SEC at 1-800-SEC-0330 for further information on the operation of the Public Reference Room.

INFORMATION INCORPORATED BY REFERENCE

The SEC's rules allow us to incorporate by reference information into this prospectus supplement and the accompanying prospectus. This means that we can disclose important information to you by referring you to another document. The information incorporated by reference is considered to be a part of this prospectus supplement and the accompanying prospectus. This prospectus supplement incorporates by reference the documents listed below:

our Annual Report on Form 10-K for the year ended December 31, 2016;

our Quarterly Reports on Form 10-Q for the quarterly periods ended March 31, 2017 and June 30, 2017;

our Definitive Proxy Statement on Schedule 14A, filed on April 13, 2017 (solely those portions that were incorporated by reference into Part III of our Annual Report on Form 10-K for the year ended December 31,

2016);

our Current Reports on Form 8-K filed on January 4, 2017, March 1, 2017, March 13, 2017 (excluding information under Item 7.01), March 17, 2017, March 22, 2017 (excluding information under Item 7.01), May 24, 2017, May 26, 2017, June 12, 2017, July 26, 2017 (excluding information under Item 2.02), September 1, 2017 and September 26, 2017;

S-18

Table of Contents

the description of our common stock contained in our Registration Statement on Form 8-A filed on December 12, 2013, including all amendments and reports filed for the purpose of updating such description; and

all other documents filed by us under sections 13(a), 13(c), 14 or 15(d) of the Exchange Act after the date of this prospectus supplement and before the termination of the offering to which this prospectus supplement relates (other than documents and information furnished and not filed in accordance with SEC rules, unless expressly stated otherwise therein).

Any statement made in this prospectus supplement or in the accompanying prospectus or in a document incorporated by reference into this prospectus supplement or the accompanying prospectus will be deemed to be modified or superseded for purposes of this prospectus supplement to the extent that a statement contained in this prospectus supplement modifies or supersedes that statement. Any statement so modified or superseded will not be deemed, except as so modified or superseded, to constitute a part of this prospectus supplement and the accompanying prospectus.

You can obtain any of the filings incorporated by reference into this prospectus supplement and the accompanying prospectus through us or from the SEC through the SEC's website at <http://www.sec.gov>. We will provide, without charge, to each person, including any beneficial owner, to whom a copy of this prospectus supplement or the accompanying prospectus is delivered, upon written or oral request of such person, a copy of any or all of the reports and documents referred to above which have been or may be incorporated by reference into this prospectus supplement or the accompanying prospectus. You should direct requests for those documents to:

Hilton Worldwide Holdings Inc.

7930 Jones Branch Drive, Suite 1100

McLean, Virginia 22102

Attn: Investor Relations

Tel.: (703) 883-5476

Email: ir@hilton.com

Our reports and documents incorporated by reference into this prospectus supplement or the accompanying prospectus may also be found in the Investors' section of our website at <http://ir.hilton.com>. Our website and the information contained in it or connected to it shall not be deemed to be incorporated into this prospectus supplement, the accompanying prospectus or any registration statement of which it forms a part.

Table of Contents

544,632,363 Shares

Hilton Worldwide Holdings Inc.

Common Stock

This prospectus relates to the offer and sale from time to time of up to 544,632,363 shares of Hilton Worldwide Holdings Inc. common stock, \$0.01 par value per share, by the selling stockholders identified in this prospectus or in supplements to this prospectus. See **Selling Stockholders**. The registration of the shares of common stock to which this prospectus relates does not require the selling stockholders to sell any of their shares of our common stock.

We will not receive any proceeds from the sale of the shares by the selling stockholders, but we have agreed to pay certain registration expenses, other than underwriting discounts and commissions. The selling stockholders from time to time may offer and sell the shares held by them directly or through underwriters, agents or broker-dealers on terms to be determined at the time of sale, as described in more detail in this prospectus. For more information, see **Plan of Distribution**.

Our common stock is listed on the New York Stock Exchange, or NYSE, under the symbol **HLT**. On May 8, 2015, the closing sales price of our common stock as reported on the NYSE was \$30.10 per share.

Investing in our common stock involves risks. Before making a decision to invest in our common stock, you should refer to the risk factors included in our periodic reports, in prospectus supplements relating to specific offerings and in other information that we file with the Securities and Exchange Commission, or SEC. See **Risk Factors on page 3 of this prospectus.**

Neither the Securities and Exchange Commission nor any other regulatory body has approved or disapproved of these securities or passed upon the accuracy or adequacy of this prospectus. Any representation to the contrary is a criminal offense.

Prospectus dated May 11, 2015.

Table of Contents**TABLE OF CONTENTS**

	Page
<u>Prospectus Summary</u>	1
<u>Risk Factors</u>	3
<u>Disclosure Regarding Forward-Looking Statements</u>	3
<u>Trademarks and Service Marks</u>	3
<u>Use of Proceeds</u>	4
<u>Selling Stockholders</u>	5
<u>Description of Capital Stock</u>	7
<u>Material U.S. Federal Income and Estate Tax Consequences to Non-U.S. Holders of Our Common Stock</u>	13
<u>Plan of Distribution</u>	16
<u>Legal Matters</u>	18
<u>Experts</u>	18
<u>Where You Can Find More Information</u>	18
<u>Information Incorporated by Reference</u>	19

Neither we nor the selling stockholders have authorized anyone to provide you with information different from that contained or incorporated by reference in this prospectus, any amendment or supplement to this prospectus or any free writing prospectus prepared by us or on our behalf. Neither we nor the selling stockholders take any responsibility for, or can provide any assurance as to the reliability of, any information other than the information contained or incorporated by reference in this prospectus, any amendment or supplement to this prospectus or any free writing prospectus prepared by us or on our behalf. The selling stockholders are not offering to sell shares of our common stock in any jurisdiction where an offer or sale is not permitted. The information contained in or incorporated by reference in this prospectus is accurate only as of the date of this prospectus, regardless of the time of delivery of this prospectus, any amendment or supplement to this prospectus or any sale of shares of our common stock.

This prospectus is part of a shelf registration statement that we have filed with the SEC using a shelf registration process. Under the shelf registration process, the selling stockholders may, from time to time, offer and sell the shares of common stock described in this prospectus and in any accompanying prospectus supplement in one or more transactions. This prospectus provides you with a general description of the shares of common stock the selling stockholders may offer. Each time the selling stockholders sell shares of our common stock using this prospectus, to the extent necessary, we will provide a prospectus supplement that will contain specific information about the terms of that offering, including the number of shares being offered, the manner of distribution, the identity of any underwriters or other counterparties and other specific terms related to the offering. The prospectus supplement may also add, update or change information contained or incorporated by reference in this prospectus. To the extent that any statement made in an accompanying prospectus supplement is inconsistent with statements made in this prospectus, the statements made in this prospectus will be deemed modified or superseded by those made in the accompanying prospectus supplement. You should read both this prospectus and any prospectus supplement together, along with the information incorporated by reference herein or therein and any free writing prospectus prepared by us or on our behalf.

For investors outside of the United States, neither we nor the selling stockholders have done anything that would permit the offering, possession or distribution of this prospectus in any jurisdiction where action for that purpose is required, other than in the United States. You are required to inform yourselves about and to observe any restrictions relating to the offering, possession or the distribution of this prospectus outside of the United States.

Table of Contents

PROSPECTUS SUMMARY

*This summary highlights information contained elsewhere or incorporated by reference in this prospectus or any prospectus supplement and does not contain all of the information you should consider before investing in shares of our common stock. You should read this entire prospectus, any prospectus supplement and the documents incorporated herein or therein carefully, including the section entitled **Risk Factors** and the financial statements and the related notes incorporated by reference into this prospectus, before you decide to invest in shares of our common stock.*

*Except where the context requires otherwise, references in this prospectus to **Hilton**, **Hilton Worldwide**, **the Company**, **we**, **us** and **our** refer to Hilton Worldwide Holdings Inc., together with its consolidated subsidiaries. Except where the context requires otherwise, references to our **properties**, **hotels** and **rooms** refer to the hotels, resorts and timeshare properties managed, franchised, owned or leased by us. Of these hotels, resorts and rooms, a portion are directly owned or leased by us or joint ventures in which we have an interest and the remaining hotels, resorts and rooms are owned by our third-party owners.*

*Investment funds associated with or designated by **The Blackstone Group L.P.** and their affiliates, our current majority owners, are referred to herein as **Blackstone** or **our Sponsor**.*

Hilton Worldwide

Hilton Worldwide is one of the largest and fastest growing hospitality companies in the world, with 4,362 hotels, resorts and timeshare properties comprising 720,701 rooms in 94 countries and territories as of March 31, 2015. In the nearly 100 years since our founding, we have defined the hospitality industry and established a portfolio of 12 world-class brands. Our flagship full-service Hilton Hotels & Resorts brand is the most recognized hotel brand in the world. Our premier brand portfolio also includes our luxury and lifestyle hotel brands, Waldorf Astoria Hotels & Resorts, Conrad Hotels & Resorts and Canopy by Hilton, our full-service hotel brands, Curio A Collection by Hilton, DoubleTree by Hilton and Embassy Suites Hotels, our focused-service hotel brands, Hilton Garden Inn, Hampton Hotels, Homewood Suites by Hilton and Home2 Suites by Hilton and our timeshare brand, Hilton Grand Vacations. Nearly 157,000 employees proudly serve in our managed, owned, leased and timeshare properties and corporate offices around the world, and we have approximately 46 million members in our award-winning customer loyalty program, Hilton HHonors.

We operate our business through three segments: (1) management and franchise; (2) ownership; and (3) timeshare. These complementary business segments enable us to capitalize on our strong brands, global market presence and significant operational scale. Through our management and franchise segment, which consisted of 4,170 properties with 653,351 rooms as of March 31, 2015, we manage hotels, resorts and timeshare properties owned by third parties and we license our brands to franchisees. Our ownership segment consisted of 148 hotels with 60,532 rooms as of March 31, 2015 in which we had an ownership interest or leased. Through our timeshare segment, which consisted of 44 properties comprising 6,818 units as of March 31, 2015, we market and sell timeshare intervals, operate timeshare resorts and a timeshare membership club and provide consumer financing.

For a description of our business, financial condition, results of operations and other important information regarding Hilton Worldwide, we refer you to our filings with SEC incorporated by reference in this prospectus. For instructions on how to find copies of these documents, see **Where You Can Find More Information**.

Hilton Worldwide Holdings Inc. was incorporated in Delaware in March 2010. In 1919, our founder Conrad Hilton purchased his first hotel in Cisco, Texas. Through our predecessors, we commenced operations in 1946 when our subsidiary Hilton Hotels Corporation, later renamed Hilton Worldwide, Inc., was incorporated in Delaware. Our principal executive offices are located at 7930 Jones Branch Drive, Suite 1100, McLean, Virginia 22102 and our telephone number is (703) 883-1000.

Table of Contents

The Offering

Common stock offered by us	We are not selling any shares of common stock pursuant to this prospectus.
Common stock offered by the selling stockholders	Up to 544,632,363 shares of common stock.
Common stock outstanding as of April 28, 2015	987,448,909 shares of common stock. Does not reflect an aggregate of 8,079,765 shares of common stock issuable in connection with equity awards outstanding under our 2013 Omnibus Incentive Plan as of April 28, 2015.
Use of proceeds	The selling stockholders will receive all of the proceeds of the sale of shares of common stock offered from time to time pursuant to this prospectus. Accordingly, we will not receive any proceeds from the sale of shares of common stock that may be sold from time to time pursuant to this prospectus.
Dividend policy	We have no current plans to pay dividends on our common stock. Any decision to declare and pay dividends in the future will be made at the sole discretion of our board of directors and will depend on, among other things, our results of operations, cash requirements, financial condition, contractual restrictions and other factors that our board of directors may deem relevant.
Listing	Our common stock is listed on the NYSE under the symbol HLT.

Table of Contents

RISK FACTORS

Investing in our common stock involves risks. You should carefully consider the risks and uncertainties described in our most recent Annual Report on Form 10-K and our subsequent Quarterly Reports on Form 10-Q, which are incorporated by reference herein, as the same may be updated from time to time by our subsequent filings under the Exchange Act. You should also carefully consider the other information contained in this prospectus, as updated by our subsequent filings under the Exchange Act, and the risk factors and other information contained in any applicable prospectus supplement before acquiring any shares of our common stock. These risks could materially affect our business, results of operations or financial condition and cause the value of our common stock to decline. You could lose all or part of your investment.

DISCLOSURE REGARDING FORWARD-LOOKING STATEMENTS

This prospectus contains or incorporates by reference forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, or Securities Act, and Section 21E of the Securities Exchange Act of 1934, as amended, or Exchange Act, that reflect our current views with respect to, among other things, our operations and financial performance. Forward-looking statements include all statements that are not historical facts. In some cases, you can identify these forward-looking statements by the use of words such as outlook, believes, expects, potential, continues, may, will, should, could, seeks, approximately, predicts, intends, plans, estimates, negative version of these words or other comparable words. Such forward-looking statements are subject to various risks and uncertainties, including, among others, risks inherent to the hospitality industry, macroeconomic factors beyond our control, competition for hotel guests, management and franchise agreements and timeshare sales, risks related to doing business with third-party hotel owners, our significant investments in owned and leased real estate, performance of our information technology systems, growth of reservation channels outside of our system, risks of doing business outside of the United States and our indebtedness. Additional factors that could cause actual outcomes or results to differ materially from those indicated in these statements are described under Risk Factors in Item 1A of our Annual Report on Form 10-K for the year ended December 31, 2014, filed with the SEC on February 18, 2015, as such factors may be updated from time to time in our periodic filings with the SEC (which documents are incorporated by reference herein), as well as the other information contained or incorporated by reference in this prospectus or in any prospectus supplement hereto. These factors should not be construed as exhaustive and should be read in conjunction with the other cautionary statements that are included or incorporated by reference in this prospectus or in any prospectus supplement hereto. We undertake no obligation to publicly update or review any forward-looking statement, whether as a result of new information, future developments or otherwise, except as required by law.

TRADEMARKS AND SERVICE MARKS

Hilton Hotels & Resorts, Waldorf Astoria Hotels & Resorts, Conrad Hotels & Resorts, Canopy by Hilton, Curio A Collection by Hilton, DoubleTree by Hilton®, Embassy Suites Hotels®, Hilton Garden Inn®, Hampton Inn®, Homewood Suites by Hilton®, Home2 Suites by Hilton®, Hilton Grand Vacations®, Hilton Grand Vacations Club®, The Hilton Club®, Hilton HHonors®, eforea®, OnQ®, LightStay®, the Hilton Hawaiian Village®, Requests Upon Arrival and other trademarks, trade names and service marks of Hilton and our brands appearing in this prospectus are the property of Hilton and our affiliates.

Solely for convenience, the trademarks, service marks and trade names referred to in this prospectus are without the ® and symbols, but such references are not intended to indicate, in any way, that we will not assert, to the fullest extent under applicable law, our rights or the rights of the applicable licensors to these trademarks, service marks and trade names. All trademarks, service marks and trade names appearing in this prospectus are the property of their respective

owners.

Table of Contents

USE OF PROCEEDS

The selling stockholders will receive all of the proceeds of the sale of shares of common stock offered from time to time pursuant to this prospectus. Accordingly, we will not receive any proceeds from the sale of shares of common stock that may be sold from time to time pursuant to this prospectus.

Table of Contents**SELLING STOCKHOLDERS**

On December 17, 2013, we completed our initial public offering, or IPO. In connection with our IPO, we entered into a registration rights agreement with affiliates of Blackstone providing them with an unlimited number of demand registrations and customary piggyback registration rights. This prospectus covers 544,632,363 shares of our common stock that may be offered for resale by affiliates of Blackstone or their transferees. For more information about our relationships with the selling stockholders and their affiliates, see *Transactions With Related Persons* in our Definitive Proxy Statement on Schedule 14A, filed with the SEC on March 25, 2015 which is incorporated herein by reference.

The following table sets forth information as of May 11, 2015, with respect to the selling stockholders and the shares of our common stock beneficially owned by the selling stockholders that may from time to time be offered or sold pursuant to this prospectus. Beneficial ownership is determined in accordance with the rules of the SEC. Information concerning the selling stockholders may change from time to time, and any changed information will be set forth in supplements to this prospectus or a post-effective amendment to the registration statement to which this prospectus relates if and when necessary. The selling stockholders may offer all, some or none of their shares of common stock. We cannot advise you as to whether the selling stockholders will in fact sell any or all of such shares of common stock. In addition, the selling stockholders may have sold or transferred, in transactions pursuant to this prospectus or otherwise, some or all of their shares since the date as of which the information is presented in the table below. Information concerning the selling stockholders may change from time to time and any such changed information will, if required, be set forth in supplements to this prospectus or post-effective amendments to the registration statement of which this prospectus is a part, as may be appropriate.

Name	Shares of Common Stock Beneficially Owned		Shares of Common Stock that May be Offered for Resale	Shares of Common Stock Beneficially Owned After the Sale of the Maximum Number of Shares of Common Stock	
	Number of Shares	Percent of Common Stock Outstanding		Number of Shares	Percent of Common Stock Outstanding
Blackstone (1)	544,632,363	55.2%	544,632,363		

- (1) Reflects 383,603,683 shares of common stock directly held by HLT Holdco III LLC, 94,650,659 shares of common stock directly held by HLT Holdco II LLC, 47,611,887 shares of common stock directly held by HLT BREP VI.TE.2 Holdco LLC, 1,674,976 shares of common stock directly held by HLT BREH VI Holdco LLC, 282,279 shares of common stock directly held by HLT BREH Intl II Holdco LLC, 16,472,893 shares of common stock directly held by HLT A23 Holdco LLC, and 98,556 shares of common stock directly held by HLT A23

BREH VI Holdco LLC (together, the Blackstone Funds). The sole member of HLT Holdco III LLC is HLT Holdco II LLC. The sole member of HLT Holdco II LLC is HLT Holdco LLC. The sole member of HLT Holdco LLC is BH Hotels Holdco LLC (BH Hotels). The managing members of BH Hotels are Blackstone Real Estate Partners VI L.P. and Blackstone Capital Partners V L.P. The general partner of Blackstone Capital Partners V L.P. is Blackstone Management Associates V L.L.C. The sole member of Blackstone Management Associates V L.L.C is BMA V L.L.C. The general partner of Blackstone Real Estate Partners VI L.P. is Blackstone Real Estate Associates VI L.P. The general partner of Blackstone Real Estate Associates VI L.P. is BREA VI L.L.C. The sole member of each of BREA VI L.L.C. and BMA V L.L.C. is Blackstone Holdings III L.P.

The sole member of HLT A23 Holdco LLC is Blackstone A23 Holdings LLC. The managing members of Blackstone A23 Holdings LLC are Blackstone Real Estate Partners VI L.P. and Blackstone Capital Partners V L.P. The sole member of HLT A23 BREH VI Holdco LLC is Blackstone Real Estate Holdings VI L.P.

The sole member of HLT BREH Intl II Holdco LLC is HLT BREH Intl II Holdings Holdco LLC. The controlling member of HLT BREH Intl II Holdings Holdco LLC is Blackstone Real Estate Holdings

Table of Contents

International II-Q L.P. The general partner of Blackstone Real Estate Holdings International II-Q L.P. is Blackstone Real Estate International II-Q GP L.P. The general partner of Blackstone Real Estate International II-Q GP L.P. is Blackstone Real Estate International II-Q GP L.L.C. The sole member of Blackstone Real Estate International II-Q GP L.L.C. is Blackstone Holdings III L.P.

The sole member of HLT BREP VI.TE.2 Holdco LLC is Blackstone Real Estate Partners VI.TE.2 L.P. The general partner of Blackstone Real Estate Partners VI.TE.2 L.P. is Blackstone Real Estate Associates VI L.P. The general partner of Blackstone Real Estate Associates VI L.P. is BREA VI L.L.C. The sole member of BREA VI L.L.C. is Blackstone Holdings III L.P.

The sole member of HLT BREH VI Holdco LLC is HLT BREH VI Holdings Holdco LLC. The controlling member of HLT BREH VI Holdings Holdco LLC is Blackstone Real Estate Holdings VI L.P. The general partner of Blackstone Real Estate Holdings VI L.P. is BREP VI Side-by-Side GP L.L.C. The sole member of BREP VI Side-by-Side GP L.L.C. is Blackstone Holdings III L.P.

The general partner of Blackstone Holdings III L.P. is Blackstone Holdings III GP L.P. The general partner of Blackstone Holdings III GP L.P. is Blackstone Holdings III GP Management L.L.C. The sole member of Blackstone Holdings III GP Management L.L.C. is The Blackstone Group L.P. The general partner of The Blackstone Group L.P. is Blackstone Group Management L.L.C. Blackstone Group Management L.L.C. is wholly-owned by Blackstone's senior managing directors and controlled by its founder, Stephen A. Schwarzman. Each of such Blackstone entities (other than each of the Blackstone Funds to the extent they directly hold securities reported herein) and Mr. Schwarzman may be deemed to beneficially own the shares beneficially owned by the Blackstone Funds directly or indirectly controlled by it or him, but each disclaims beneficial ownership of such shares. Also reflects 237,430 shares of common stock directly owned by Mr. Schwarzman. Such shares are expected to be transferred on Mr. Schwarzman's behalf to a private foundation or other charitable organization on or after April 3, 2015. The address of each of Mr. Schwarzman and each of the entities listed in this footnote is c/o The Blackstone Group L.P., 345 Park Avenue, New York, New York 10154.

As of May 11, 2015, Blackstone entities have pledged, hypothecated or granted security interests in substantially all of the shares of Hilton common stock held by them pursuant to a margin loan agreement with customary default provisions. In the event of a default under the margin loan agreement, the secured parties may foreclose upon any and all shares of common stock pledged to them and may seek recourse against the borrower.

Table of Contents

DESCRIPTION OF CAPITAL STOCK

The following is a description of the material terms of, and is qualified in its entirety by, our amended and restated certificate of incorporation and amended and restated bylaws, each as in effect as of the date of this prospectus, copies of which are filed as exhibits to the registration statement of which this prospectus forms a part. Under "Description of Capital Stock," we, us, our and our company refer to Hilton Worldwide Holdings Inc. and not to any of its subsidiaries.

Our purpose is to engage in any lawful act or activity for which corporations may be organized under the General Corporation Law of the State of Delaware, or DGCL. Our authorized capital stock consists of 30,000,000,000 shares of common stock, par value \$0.01 per share, and 3,000,000,000 shares of preferred stock, par value \$0.01 per share. Unless our board of directors determines otherwise, we will issue all shares of our capital stock in uncertificated form.

Common Stock

Holders of shares of our common stock are entitled to one vote for each share held of record on all matters on which stockholders are entitled to vote generally, including the election or removal of directors. The holders of our common stock do not have cumulative voting rights in the election of directors.

Upon our liquidation, dissolution or winding up and after payment in full of all amounts required to be paid to creditors and to the holders of our preferred stock having liquidation preferences, if any, the holders of our common stock will be entitled to receive pro rata our remaining assets available for distribution. All shares of our common stock that will be outstanding at the time of the completion of any offering to which this prospectus relates will be fully paid and non-assessable. The common stock will not be subject to further calls or assessment by us. Holders of our common stock do not have preemptive, subscription, redemption or conversion rights. There will be no redemption or sinking fund provisions applicable to the common stock. The rights, powers, preferences and privileges of holders of our common stock will be subject to those of the holders of any shares of our preferred stock we may authorize and issue in the future.

Preferred Stock

As of the date of this prospectus, we had no shares of preferred stock issued or outstanding. Our amended and restated certificate of incorporation authorizes our board of directors to establish one or more series of preferred stock (including convertible preferred stock). Unless required by law or any stock exchange, the authorized shares of preferred stock will be available for issuance without further action by the holders of our common stock. Our board of directors is able to determine, with respect to any series of preferred stock, the powers (including voting powers), preferences and relative, participating, optional or other special rights, and the qualifications, limitations or restrictions thereof, including, without limitation:

the designation of the series;

the number of shares of the series, which our board of directors may, except where otherwise provided in the preferred stock designation, increase (but not above the total number of authorized shares of the class) or decrease (but not below the number of shares then outstanding);

whether dividends, if any, will be cumulative or non-cumulative and the dividend rate of the series;

the dates at which dividends, if any, will be payable;

the redemption rights and price or prices, if any, for shares of the series;

the terms and amounts of any sinking fund provided for the purchase or redemption of shares of the series;

the amounts payable on shares of the series in the event of any voluntary or involuntary liquidation, dissolution or winding-up of the affairs of the Company;

Table of Contents

whether the shares of the series will be convertible into shares of any other class or series, or any other security, of the Company or any other entity, and, if so, the specification of the other class or series or other security, the conversion price or prices or rate or rates, any rate adjustments, the date or dates as of which the shares will be convertible and all other terms and conditions upon which the conversion may be made;

restrictions on the issuance of shares of the same series or of any other class or series; and

the voting rights, if any, of the holders of the series.

We could issue a series of preferred stock that could, depending on the terms of the series, impede or discourage an acquisition attempt or other transaction that some, or a majority, of the holders of our common stock might believe to be in their best interests or in which the holders of our common stock might receive a premium over the market price of the common stock. Additionally, the issuance of preferred stock may adversely affect the holders of our common stock by restricting dividends on the common stock, diluting the voting power of the common stock or subordinating the liquidation rights of the common stock. As a result of these or other factors, the issuance of preferred stock could have an adverse impact on the market price of our common stock.

Dividends

The DGCL permits a corporation to declare and pay dividends out of surplus or, if there is no surplus, out of its net profits for the fiscal year in which the dividend is declared and/or the preceding fiscal year. Surplus is defined as the excess of the net assets of the corporation over the amount determined to be the capital of the corporation by its board of directors. The capital of the corporation is typically calculated to be (and cannot be less than) the aggregate par value of all issued shares of capital stock. Net assets equals the fair value of the total assets minus total liabilities. The DGCL also provides that dividends may not be paid out of net profits if, after the payment of the dividend, remaining capital would be less than the capital represented by the outstanding stock of all classes having a preference upon the distribution of assets. Declaration and payment of any dividend will be subject to the discretion of our board of directors.

Stockholder Meetings

Our amended and restated certificate of incorporation and our amended and restated bylaws provide that annual stockholder meetings will be held at a date, time and place, if any, as exclusively selected by our board of directors. Our amended and restated bylaws provide that special meetings of the stockholders may be called only by or at the direction of the board of directors, the chairman of our board or our chief executive officer or upon the request of holders of not less than a majority of the total voting power of all the then outstanding shares of our capital stock. To the extent permitted under applicable law, we may conduct meetings by remote communications, including by webcast.

Anti-Takeover Effects of Our Amended and Restated Certificate of Incorporation and Amended and Restated Bylaws and Certain Provisions of Delaware Law

Undesignated Preferred Stock

The ability to authorize undesignated preferred stock will make it possible for our board of directors to issue preferred stock with super majority voting, special approval, dividend or other rights or preferences that could impede the success of any attempt to acquire us or otherwise effect a change in control of us. These and other provisions may

have the effect of deferring, delaying or discouraging hostile takeovers, or changes in control or management of our company.

We do not have a stockholder rights plan or any series of preferred stock designated in connection with such a plan, and if our board of directors were ever to adopt a stockholder rights plan in the future without prior stockholder approval, our board of directors would either submit the plan to stockholders for ratification or cause the rights plan to expire within one year.

Table of Contents

Requirements for Advance Notification of Stockholder Meetings, Nominations and Proposals

Our amended and restated bylaws establish advance notice procedures with respect to stockholder proposals and the nomination of candidates for election as directors, other than nominations made by or at the direction of the board of directors or a committee of the board of directors. For any matter to be properly brought before a meeting, a stockholder will have to comply with advance notice requirements and provide us with certain information. Additionally, vacancies and newly created directorships may be filled only by a vote of a majority of the directors then in office, even though less than a quorum, and not by the stockholders. Our amended and restated bylaws provide for certain procedures with respect to the resignation of any director (other than a director nominated or designated pursuant to our stockholders agreement) who does not receive a majority of the votes cast in an uncontested election. Our amended and restated bylaws allow the presiding officer at a meeting of the stockholders to adopt rules and regulations for the conduct of meetings which may have the effect of precluding the conduct of certain business at a meeting if the rules and regulations are not followed. These provisions may also defer, delay or discourage a potential acquirer from conducting a solicitation of proxies to elect the acquirer's own slate of directors or otherwise attempting to influence or obtain control of our company.

Our certificate of incorporation provides that the board of directors is expressly authorized to make, alter or repeal our bylaws and that our stockholders may only amend our bylaws with the approval of 80% or more of all of the outstanding shares of our capital stock entitled to vote.

No Cumulative Voting

The DGCL provides that stockholders are not entitled to the right to cumulate votes in the election of directors unless our amended and restated certificate of incorporation provides otherwise. Our amended and restated certificate of incorporation does not provide for cumulative voting.

Stockholder Action by Written Consent

Pursuant to Section 228 of the DGCL, any action required to be taken at any annual or special meeting of the stockholders may be taken without a meeting, without prior notice and without a vote if a consent or consents in writing, setting forth the action so taken, is signed by the holders of outstanding stock having not less than the minimum number of votes that would be necessary to authorize or take such action at a meeting at which all shares of our stock entitled to vote thereon were present and voted, unless the company's amended and restated certificate of incorporation provides otherwise. Our amended and restated certificate of incorporation provides that from and after the date on which the parties to our stockholders agreement cease to beneficially own at least 40% of the total voting power of all the then outstanding shares of our capital stock any action, any action required or permitted to be taken by our stockholders may not be effected by consent in writing by stockholders unless such action is recommended by all directors then in office.

Delaware Anti-Takeover Statute

We have opted out of Section 203 of the DGCL. Section 203 provides that, subject to certain exceptions specified in the law, a publicly-held Delaware corporation shall not engage in certain business combinations with any interested stockholder for a three-year period after the date of the transaction in which the person became an interested stockholder. These provisions generally prohibit or delay the accomplishment of mergers, assets or stock sales or other takeover or change-in-control attempts that are not approved by a company's board of directors.

Table of Contents

However, our amended and restated certificate of incorporation and bylaws provide that in the event the parties to our stockholders agreement cease to beneficially own at least 5% of the then outstanding shares of our common stock, we will automatically become subject to Section 203 of the DGCL. In general, Section 203 prohibits a publicly-held Delaware corporation from engaging, under certain circumstances, in a business combination with an interested stockholder for a period of three years following the date the person became an interested stockholder unless:

prior to the date of the transaction, the board of directors of the corporation approved either the business combination or the transaction that resulted in the stockholder becoming an interested stockholder;

upon completion of the transaction that resulted in the stockholder becoming an interested stockholder, the stockholder owned at least 85% of the voting stock of the corporation outstanding at the time the transaction commenced, excluding for purposes of determining the number of shares outstanding (1) shares owned by persons who are directors and also officers and (2) shares owned by employee stock plans in which employee participants do not have the right to determine confidentially whether shares held subject to the plan will be tendered in a tender or exchange offer; or

on or subsequent to the date of the transaction, the business combination is approved by the board and authorized at an annual or special meeting of stockholders, and not by written consent, by the affirmative vote of at least 66 2/3% of the outstanding voting stock which is not owned by the interested stockholder.

Generally, a business combination includes a merger, asset or stock sale, or other transaction resulting in a financial benefit to the interested stockholder. An interested stockholder is a person who, together with affiliates and associates, owns or, within three years prior to the determination of interested stockholder status, did own 15% or more of a corporation's outstanding voting stock.

Under certain circumstances, Section 203 makes it more difficult for a person who would be an interested stockholder to effect various business combinations with a corporation for a three-year period. Accordingly, Section 203 could have an anti-takeover effect with respect to certain transactions our board of directors does not approve in advance. The provisions of Section 203 may encourage companies interested in acquiring the Company to negotiate in advance with our board of directors because the stockholder approval requirement would be avoided if our board of directors approves either the business combination or the transaction that results in the stockholder becoming an interested stockholder. However, Section 203 also could discourage attempts that might result in a premium over the market price for the shares of common stock held by stockholders. These provisions also may make it more difficult to accomplish transactions that stockholders may otherwise deem to be in their best interests.

Dissenters' Rights of Appraisal and Payment

Under the DGCL, with certain exceptions, our stockholders will have appraisal rights in connection with a merger or consolidation of our company. Pursuant to the DGCL, stockholders who properly request and perfect appraisal rights in connection with such merger or consolidation will have the right to receive payment of the fair value of their shares as determined by the Delaware Court of Chancery.

Stockholders' Derivative Actions

Under the DGCL, any of our stockholders may bring an action in our name to procure a judgment in our favor, also known as a derivative action, provided that the stockholder bringing the action is a holder of our shares at the time of the transaction to which the action relates or such stockholder's stock thereafter devolved by operation of law.

Table of Contents

Exclusive Forum

Our amended and restated certificate of incorporation provides that unless we consent to the selection of an alternative forum, the Court of Chancery of the State of Delaware shall be the sole and exclusive forum for any (i) derivative action or proceeding brought on behalf, to the fullest extent permitted by law, of our company, (ii) action asserting a claim of breach of a fiduciary duty owed by any director, officer or other employee of our company to our company or our company's stockholders, (iii) action asserting a claim against our company or any director or officer of our company arising pursuant to any provision of the DGCL, our amended and restated certificate of incorporation or our amended and restated bylaws or (iv) action asserting a claim against our company or any director or officer of our company governed by the internal affairs doctrine, in each such case subject to said Court of Chancery having personal jurisdiction over the indispensable parties named as defendants therein. Any person or entity purchasing or otherwise acquiring any interest in shares of capital stock of our company shall be deemed to have notice of and consented to the forum provisions in our amended and restated certificate of incorporation. However, it is possible that a court could find our forum selection provision to be inapplicable or unenforceable.

Conflicts of Interest

Delaware law permits corporations to adopt provisions renouncing any interest or expectancy in certain opportunities that are presented to the corporation or its officers, directors or stockholders. Our amended and restated certificate of incorporation, to the maximum extent permitted from time to time by Delaware law, renounces any interest or expectancy that we have in, or right to be offered an opportunity to participate in, specified business opportunities that are from time to time presented to our officers, directors or stockholders or their respective affiliates, other than those officers, directors, stockholders or affiliates who are our or our subsidiaries' employees. Our amended and restated certificate of incorporation provides that, to the fullest extent permitted by law, none of Blackstone or any of its affiliates or any director who is not employed by us (including any non-employee director who serves as one of our officers in both his director and officer capacities) or his or her affiliates will have any duty to refrain from (i) engaging in a corporate opportunity in the same or similar lines of business in which we or our affiliates now engage or propose to engage or (ii) otherwise competing with us or our affiliates. In addition, to the fullest extent permitted by law, in the event that Blackstone or any non-employee director acquires knowledge of a potential transaction or other business opportunity which may be a corporate opportunity for itself or himself or its or his affiliates or for us or our affiliates, such person will have no duty to communicate or offer such transaction or business opportunity to us or any of our affiliates and they may take any such opportunity for themselves or offer it to another person or entity. Our amended and restated certificate of incorporation does not renounce our interest in any business opportunity that is expressly offered to a non-employee director solely in his or her capacity as a director or officer of the Company. To the fullest extent permitted by law, no business opportunity will be deemed to be a potential corporate opportunity for us unless we would be permitted to undertake the opportunity under our amended and restated certificate of incorporation, we have sufficient financial resources to undertake the opportunity and the opportunity would be in line with our business.

Limitations on Liability and Indemnification of Officers and Directors

The DGCL authorizes corporations to limit or eliminate the personal liability of directors to corporations and their stockholders for monetary damages for breaches of directors' fiduciary duties, subject to certain exceptions. Our amended and restated certificate of incorporation includes a provision that eliminates the personal liability of directors for monetary damages for any breach of fiduciary duty as a director, except to the extent such exemption from liability or limitation thereof is not permitted under the DGCL. The effect of these provisions is to eliminate the rights of us and our stockholders, through stockholders' derivative suits on our behalf, to recover monetary damages from a director for breach of fiduciary duty as a director, including breaches resulting from grossly negligent behavior.

However, exculpation does not apply to any director if the director has acted in bad faith, knowingly or intentionally violated the law, authorized illegal dividends or redemptions or derived an improper benefit from his or her actions as a director.

Table of Contents

Our amended and restated bylaws provide that we must indemnify and advance expenses to our directors and officers to the fullest extent authorized by the DGCL. We also are expressly authorized to carry directors' and officers' liability insurance providing indemnification for our directors, officers and certain employees for some liabilities. We believe that these indemnification and advancement provisions and insurance are useful to attract and retain qualified directors and executive officers.

The limitation of liability, indemnification and advancement provisions in our amended and restated certificate of incorporation and amended and restated bylaws may discourage stockholders from bringing a lawsuit against directors for breach of their fiduciary duty. These provisions also may have the effect of reducing the likelihood of derivative litigation against directors and officers, even though such an action, if successful, might otherwise benefit us and our stockholders. In addition, your investment may be adversely affected to the extent we pay the costs of settlement and damage awards against directors and officers pursuant to these indemnification provisions.

There is currently no pending material litigation or proceeding involving any of our directors, officers or employees for which indemnification is sought.

Indemnification Agreements

We have entered into indemnification agreements with each of our directors and executive officers. Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors or executive officers, we have been informed that in the opinion of the SEC such indemnification is against public policy and is therefore unenforceable.

Transfer Agent and Registrar

The transfer agent and registrar for shares of our common stock is Wells Fargo Bank, N.A.

Listing

Our common stock is listed on the NYSE under the symbol HLT.

Table of Contents

MATERIAL U.S. FEDERAL INCOME AND ESTATE TAX CONSEQUENCES TO NON-U.S. HOLDERS OF OUR COMMON STOCK

The following is a summary of the material U.S. federal income and estate tax consequences to a non-U.S. holder (as defined below) of the purchase, ownership and disposition of our common stock as of the date hereof. Except where noted, this summary deals only with common stock that is held as a capital asset.

A non-U.S. holder means a person (other than a partnership) that is not for U.S. federal income tax purposes any of the following:

an individual citizen or resident of the United States;

a corporation (or any other entity treated as a corporation for U.S. federal income tax purposes) created or organized in or under the laws of the United States, any state thereof or the District of Columbia;

an estate the income of which is subject to U.S. federal income taxation regardless of its source; or

a trust if it (1) is subject to the primary supervision of a court within the United States and one or more United States persons have the authority to control all substantial decisions of the trust or (2) has a valid election in effect under applicable U.S. Treasury regulations to be treated as a United States person.

This summary is based upon provisions of the Internal Revenue Code of 1986, as amended, or the Code, and regulations, rulings and judicial decisions as of the date hereof. Those authorities may be changed, perhaps retroactively, so as to result in U.S. federal income and estate tax consequences different from those summarized below. This summary does not address all aspects of U.S. federal income and estate taxes and does not deal with foreign, state, local or other tax considerations that may be relevant to non-U.S. holders in light of their particular circumstances. In addition, it does not represent a detailed description of the U.S. federal income tax consequences applicable to you if you are subject to special treatment under the U.S. federal income tax laws (including if you are a U.S. expatriate, controlled foreign corporation, passive foreign investment company or a partnership or other pass-through entity for U.S. federal income tax purposes). We cannot assure you that a change in law will not alter significantly the tax considerations that we describe in this summary.

If a partnership holds our common stock, the tax treatment of a partner will generally depend upon the status of the partner and the activities of the partnership. If you are a partner of a partnership holding our common stock, you should consult your tax advisors.

If you are considering the purchase of our common stock, you should consult your own tax advisors concerning the particular U.S. federal income and estate tax consequences to you of the ownership of the common stock, as well as the consequences to you arising under the laws of any other taxing jurisdiction.

Dividends

Dividends paid to a non-U.S. holder of our common stock generally will be subject to withholding of U.S. federal income tax at a 30% rate or such lower rate as may be specified by an applicable income tax treaty. However,

dividends that are effectively connected with the conduct of a trade or business by the non-U.S. holder within the United States (and, if required by an applicable income tax treaty, are attributable to a U.S. permanent establishment) are not subject to withholding, provided certain certification and disclosure requirements are satisfied. Instead, such dividends are subject to U.S. federal income tax on a net income basis in the same manner as if the non-U.S. holder were a United States person as defined under the Code. Any such effectively connected dividends received by a foreign corporation may be subject to an additional branch profits tax at a 30% rate or such lower rate as may be specified by an applicable income tax treaty.

A non-U.S. holder of our common stock who wishes to claim the benefit of an applicable treaty rate and avoid backup withholding, as discussed below, for dividends will be required (a) to complete the applicable

Table of Contents

Internal Revenue Service Form W-8 and certify under penalty of perjury that such holder is not a United States person as defined under the Code and is eligible for treaty benefits or (b) if our common stock is held through certain foreign intermediaries, to satisfy the relevant certification requirements of applicable U.S. Treasury regulations.

A non-U.S. holder of our common stock eligible for a reduced rate of U.S. withholding tax pursuant to an income tax treaty may obtain a refund of any excess amounts withheld by timely filing an appropriate claim for refund with the Internal Revenue Service.

Gain on Disposition of Common Stock

Any gain realized on the disposition of our common stock generally will not be subject to U.S. federal income tax unless:

the gain is effectively connected with a trade or business of the non-U.S. holder in the United States (and, if required by an applicable income tax treaty, is attributable to a U.S. permanent establishment of the non-U.S. holder);

the non-U.S. holder is an individual who is present in the United States for 183 days or more in the taxable year of that disposition, and certain other conditions are met; or

we are or have been a United States real property holding corporation for U.S. federal income tax purposes. A non-U.S. holder described in the first bullet point immediately above will be subject to tax on the net gain derived from the sale under regular graduated U.S. federal income tax rates applicable to such holder if it were a United States person as defined under the Code. In addition, if a non-U.S. holder described in the first bullet point immediately above is a corporation for U.S. federal income tax purposes, it may be subject to the branch profits tax equal to 30% of its effectively connected earnings and profits or at such lower rate as may be specified by an applicable income tax treaty.

An individual non-U.S. holder described in the second bullet point immediately above will be subject to a flat 30% tax on the gain derived from the sale, which may be offset by U.S. source capital losses, even though the individual is not considered a resident of the United States.

We believe we are not and do not anticipate becoming a United States real property holding corporation for U.S. federal income tax purposes. If we are or become a United States real property holding corporation, so long as our common stock continues to be regularly traded on an established securities market, a non-U.S. holder who holds or held directly, indirectly or constructively (at any time during the shorter of the five year period preceding the date of disposition or the holder's holding period) more than 5% of our common stock will be subject to U.S. federal income tax on the disposition of our common stock in the same manner as gain that is effectively connected with a trade or business of the non-U.S. holder in the United States, except that the branch profits tax generally will not apply.

Federal Estate Tax

Common stock held by an individual non-U.S. holder at the time of death will be included in such holder's gross estate for U.S. federal estate tax purposes, unless an applicable estate tax treaty provides otherwise.

Information Reporting and Backup Withholding

We must report annually to the Internal Revenue Service and to each non-U.S. holder the amount of dividends paid to such holder and the tax withheld with respect to such dividends, regardless of whether withholding was required. Copies of the information returns reporting such dividends and withholding may also be made available to the tax authorities in other countries under the provisions of an applicable income tax treaty.

Table of Contents

A non-U.S. holder will be subject to backup withholding for dividends paid to such holder unless such holder certifies under penalty of perjury that it is a non-U.S. holder (and the payor does not have actual knowledge or reason to know that such holder is a United States person as defined under the Code), or such holder otherwise establishes an exemption.

Information reporting and, depending on the circumstances, backup withholding will apply to the proceeds of a sale of our common stock within the United States or conducted through certain U.S.-related financial intermediaries, unless the beneficial owner certifies under penalty of perjury that it is a non-U.S. holder (and the payor does not have actual knowledge or reason to know that the beneficial owner is a United States person as defined under the Code), or such owner otherwise establishes an exemption.

Backup withholding is not an additional tax. Any amounts withheld under the backup withholding rules may be allowed as a refund or a credit against a non-U.S. holder's U.S. federal income tax liability provided the required information is timely furnished to the Internal Revenue Service.

Additional Withholding Requirements

Under Sections 1471 through 1474 of the Code (such Sections commonly referred to as "FATCA"), regulations and administrative guidance, a 30% United States federal withholding tax may apply to any dividends paid on our common stock, and, for a disposition of our common stock occurring after December 31, 2016, to the gross proceeds from such disposition, in each case paid to (i) a foreign financial institution (as specifically defined in the Code), whether such foreign financial institution is the beneficial owner or an intermediary, unless such foreign financial institution agrees to verify, report and disclose its United States account holders (as specifically defined in the Code) and meets certain other specified requirements or (ii) a non-financial foreign entity, whether such non-financial foreign entity is the beneficial owner or an intermediary, unless such entity provides a certification that the beneficial owner of the payment does not have any substantial United States owners or provides the name, address and taxpayer identification number of each such substantial United States owner and certain other specified requirements are met. In certain cases, the relevant foreign financial institution or non-financial foreign entity may qualify for an exemption from, or be deemed to be in compliance with, FATCA. You should consult your own tax advisor regarding FATCA and whether it may be relevant to your ownership and disposition of our common stock.

Table of Contents

PLAN OF DISTRIBUTION

The selling stockholders, and their pledgees, donees, transferees or other successors in interest, may from time to time offer and sell, separately or together, shares of common stock covered by this prospectus. Registration of the shares of common stock covered by this prospectus does not mean, however, that those shares of common stock necessarily will be offered or sold.

The shares of common stock covered by this prospectus may be sold from time to time, at market prices prevailing at the time of sale, at prices related to market prices, at a fixed price or prices subject to change or at negotiated prices, by a variety of methods including the following:

on the NYSE (including through at the market offerings);

in the over-the-counter market;

in privately negotiated transactions;

through broker-dealers, who may act as agents or principals;

through one or more underwriters on a firm commitment or best-efforts basis;

in a block trade in which a broker-dealer will attempt to sell a block of shares of common stock as agent but may position and resell a portion of the block as principal to facilitate the transaction;

through put or call option transactions relating to the shares of common stock;

directly to one or more purchasers;

through agents; or

in any combination of the above.

In effecting sales, brokers or dealers engaged by us and/or the selling stockholders may arrange for other brokers or dealers to participate. Broker/dealer transactions may include:

purchases of the shares of common stock by a broker-dealer as principal and resales of the shares of common stock by the broker-dealer for its account pursuant to this prospectus;

ordinary brokerage transactions; or

transactions in which the broker/dealer solicits purchasers on a best efforts basis.

The selling stockholders have not entered into any agreements, understandings or arrangements with any underwriters or broker-dealers regarding the sale of the common stock covered by this prospectus. At any time a particular offer of the shares of common stock covered by this prospectus is made, a revised prospectus or prospectus supplement, if required, will set forth the aggregate amount of shares of common stock covered by this prospectus being offered and the terms of the offering, including the name or names of any underwriters, dealers, brokers or agents. In addition, to the extent required, any discounts, commissions, concessions and other items constituting underwriters' or agents' compensation, as well as any discounts, commissions or concessions allowed or reallocated or paid to dealers, will be set forth in such prospectus supplement. To the extent required, any such prospectus supplement, and, if necessary, a post-effective amendment to the registration statement of which this prospectus is a part, will be filed with the SEC to reflect the disclosure of additional information with respect to the distribution of the shares of common stock covered by this prospectus.

To the extent required, the applicable prospectus supplement will set forth whether or not underwriters may over-allot or effect transactions that stabilize, maintain or otherwise affect the market price of the common stock at levels above those that might otherwise prevail in the open market, including, for example, by entering stabilizing bids, effecting syndicate covering transactions or imposing penalty bids.

Table of Contents

If the selling stockholders utilize a dealer in the sale of the securities being offered pursuant to this prospectus, the selling stockholders will sell the securities to the dealer, as principal. The dealer may then resell the securities to the public at varying prices to be determined by the dealer at the time of resale.

The selling stockholders may also authorize agents or underwriters to solicit offers by certain types of institutional investors to purchase securities at the public offering price set forth in the revised prospectus or prospectus supplement pursuant to delayed delivery contracts providing for payment and delivery on a specified date in the future. The conditions to these contracts and the commission that the selling stockholders must pay for solicitation of these contracts will be described in a revised prospectus or prospectus supplement, to the extent such revised prospectus or prospectus supplement is required.

In connection with the sale of the shares of common stock covered by this prospectus through underwriters, underwriters may receive compensation in the form of underwriting discounts or commissions and may also receive commissions from purchasers of shares of common stock for whom they may act as agent. Underwriters may sell to or through dealers, and such dealers may receive compensation in the form of discounts, concessions or commissions from the underwriters and/or commissions from the purchasers for whom they may act as agent.

Any underwriters, broker/dealers or agents participating in the distribution of the shares of common stock covered by this prospectus may be deemed to be underwriters within the meaning of the Securities Act, and any commissions received by any of those underwriters, broker/dealers or agents may be deemed to be underwriting commissions under the Securities Act.

We and the selling stockholders may agree to indemnify underwriters, broker-dealers or agents against certain liabilities, including liabilities under the Securities Act, and may also agree to contribute to payments which the underwriters, broker/dealers or agents may be required to make.

Certain of the underwriters, broker/dealers or agents who may become involved in the sale of the shares of common stock may engage in transactions with and perform other services for us in the ordinary course of their business for which they receive customary compensation.

Some of the shares of common stock covered by this prospectus may be sold by selling stockholders in private transactions or under Rule 144 under the Securities Act rather than pursuant to this prospectus.

Table of Contents

LEGAL MATTERS

The validity of the shares of common stock will be passed upon for us by Simpson Thacher & Bartlett LLP, New York, New York. An investment vehicle comprised of selected partners of Simpson Thacher & Bartlett LLP, members of their families, related persons and others owns an interest representing less than 1% of the capital commitments of funds affiliated with The Blackstone Group L.P.

EXPERTS

The consolidated financial statements of Hilton Worldwide Holdings Inc. appearing in Hilton Worldwide Holdings Inc.'s Annual Report (Form 10-K) for the year ended December 31, 2014, have been audited by Ernst & Young LLP, independent registered public accounting firm, as set forth in their report thereon, included therein, and incorporated herein by reference. Such consolidated financial statements are incorporated herein by reference in reliance upon such report given on the authority of such firm as experts in accounting and auditing.

WHERE YOU CAN FIND MORE INFORMATION

We have filed with the SEC a registration statement on Form S-3 under the Securities Act with respect to the shares of common stock offered by this prospectus. This prospectus, and any document incorporated by reference into this prospectus, filed as part of the registration statement, does not contain all of the information set forth in the registration statement and its exhibits and schedules, portions of which have been omitted as permitted by the rules and regulations of the SEC. For further information about us and shares of our common stock, we refer you to the registration statement and to its exhibits. Statements in this prospectus about the contents of any contract, agreement or other document are not necessarily complete, and in each instance we refer you to the copy of such contract, agreement or document filed as an exhibit to the registration statement, with each such statement being qualified in all respects by reference to the document to which it refers. Anyone may inspect the registration statement and its exhibits and schedules without charge at the public reference facilities the SEC maintains at 100 F Street, N.E., Washington, D.C. 20549. You may obtain copies of all or any part of these materials from the SEC upon the payment of certain fees prescribed by the SEC. You may obtain further information about the operation of the SEC's Public Reference Room by calling the SEC at 1-800-SEC-0330. You may also inspect these reports and other information without charge at a website maintained by the SEC. The address of this site is <http://www.sec.gov>.

We are subject to the informational requirements of the Exchange Act, and we are required to file annual, quarterly and current reports, proxy statements and other information with the SEC. You may inspect and copy these reports, proxy statements and other information at the public reference facilities maintained by the SEC at the address noted above. You may also obtain copies of this material from the Public Reference Room of the SEC as described above, or inspect them without charge at the SEC's website. We also make available to our common stockholders annual reports containing consolidated financial statements audited by an independent registered public accounting firm.

Table of Contents

INFORMATION INCORPORATED BY REFERENCE

The SEC's rules allow us to incorporate by reference information into this prospectus. This means that we can disclose important information to you by referring you to another document. The information incorporated by reference is considered to be a part of this prospectus. This prospectus incorporates by reference the documents listed below:

our Annual Report on Form 10-K for the year ended December 31, 2014;

our Quarterly Report on Form 10-Q for the quarterly period ended March 31, 2015;

our Definitive Proxy Statement on Schedule 14A, filed on March 25, 2015 (solely those portions that were incorporated by reference into Part III of our Annual Report on Form 10-K for the year ended December 31, 2014);

our Current Reports on Form 8-K filed on February 11, 2015 (excluding information under Item 7.01 and Item 9.01) and May 8, 2015;

the description of our common stock contained in our Registration Statement on Form 8-A filed on December 12, 2013, including all amendments and reports filed for the purpose of updating such description; and

all other documents filed by us under sections 13(a), 13(c), 14 or 15(d) of the Exchange Act after the date of this prospectus and before the termination of the offerings to which this prospectus relates (other than documents and information furnished and not filed in accordance with SEC rules, unless expressly stated otherwise therein).

Any statement made in this prospectus or in a document incorporated by reference into this prospectus will be deemed to be modified or superseded for purposes of this prospectus to the extent that a statement contained in this prospectus modifies or supersedes that statement. Any statement so modified or superseded will not be deemed, except as so modified or superseded, to constitute a part of this prospectus.

You can obtain any of the filings incorporated by reference into this prospectus through us or from the SEC through the SEC's website at <http://www.sec.gov>. We will provide, without charge, to each person, including any beneficial owner, to whom a copy of this prospectus is delivered, upon written or oral request of such person, a copy of any or all of the reports and documents referred to above which have been or may be incorporated by reference into this prospectus. You should direct requests for those documents to:

Hilton Worldwide Holdings Inc.

7930 Jones Branch Drive, Suite 1100

McLean, Virginia 22102

Attn: Investor Relations

Tel.: (703) 883-5476

Email: ir@hilton.com

Our reports and documents incorporated by reference herein may also be found in the Investors section of our website at <http://www.hiltonworldwide.com>. Our website and the information contained in it or connected to it shall not be deemed to be incorporated into this prospectus or any registration statement of which it forms a part.

Table of Contents

14,610,000 Shares

Hilton Worldwide Holdings Inc.

Common Stock

PROSPECTUS SUPPLEMENT

Goldman Sachs & Co. LLC

September 28, 2017