

# Happy buildings are good for business

Connecting the unconnected makes your building come alive



Founded in **Copenhagen in 1901**; one of the world's leading Facility Services companies

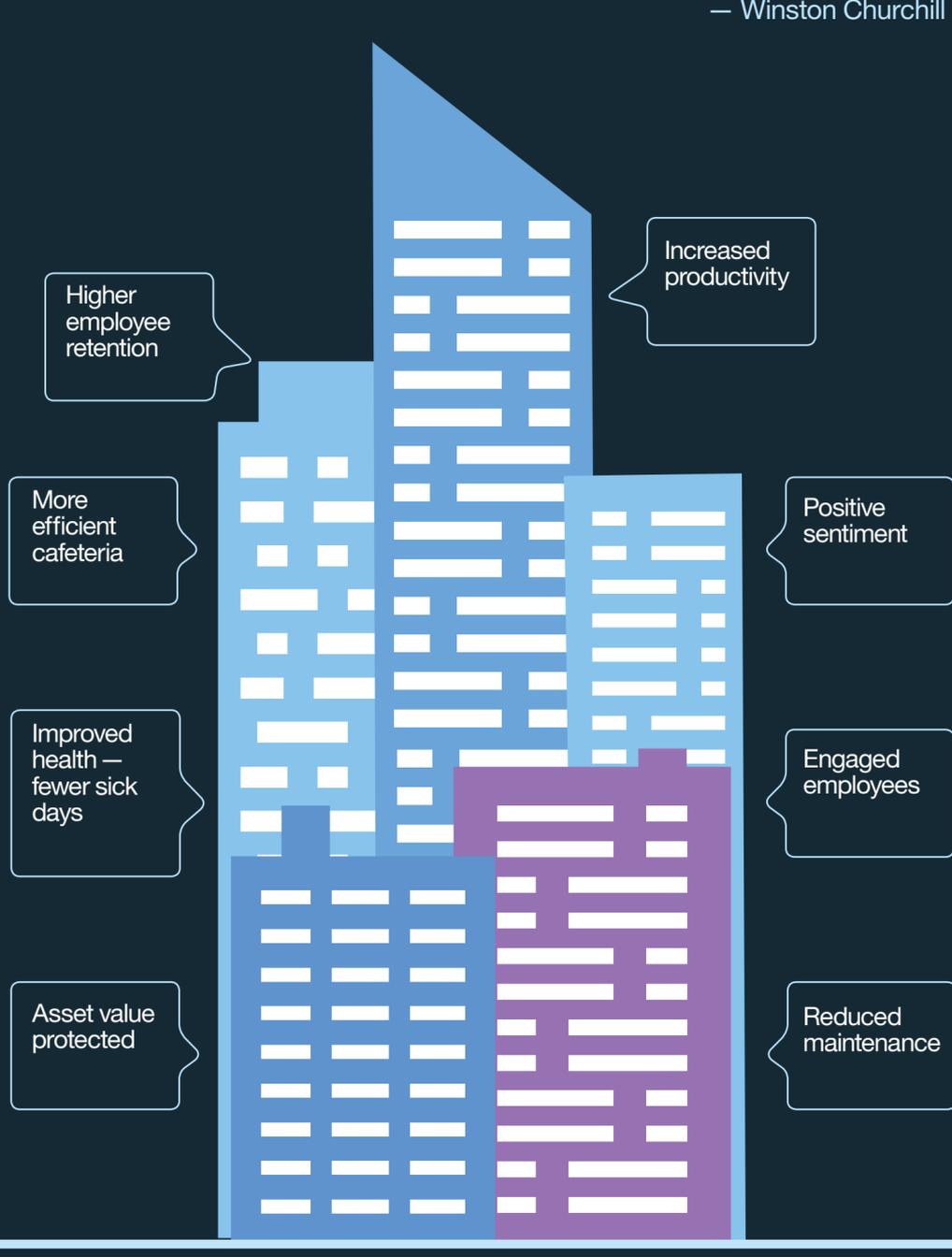
- **\$12 billion USD** in annual revenues
- More than **1,700** key account customers
- **504,816** employees
- **1.2 million** meals served daily
- **538 million** square feet managed with Integrated Facility Services

Established leader in the **Internet of Things**

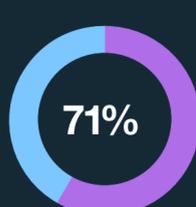
- **\$3 billion USD** commitment to bring IBM® Watson™ cognitive computing to IoT
- More than **4,000** client engagements in 170 countries
- New Watson IoT unit in Munich Germany with 1,000 plus IBM developers, consultants, researchers and designers
- Growing ecosystem of over 1,400 partners; more than 750 IoT patents

*“We shape our buildings, and afterwards our buildings shape us.”*

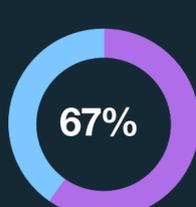
— Winston Churchill



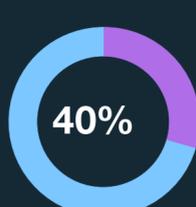
Industries spanning a variety of sectors—from hospitals to corporate offices—spend, on average, **112x** the amount of money on people as on energy costs in the workplace<sup>8</sup>.



Operation costs account for **71%** of total cost of ownership<sup>9</sup>.



Only **67%** commercial real estate space is fully utilized<sup>10</sup>.



Worldwide, buildings consume **40%** of global energy, **25%** of global water and **40%** of global resources<sup>11</sup>.

## Make buildings more personalized, intuitive and user friendly

Putting a **“human touch”** into buildings increases employee productivity, decreases absenteeism and makes a better impression on visitors. By tapping **IBM Watson IoT** to better understand the data in thousands of buildings around the world, ISS is taking a significant step in that direction.



[Watch the video](#) now to learn more



Read the [press release](#)



Learn more about [Watson IoT solutions](#)



Hear experts discuss the [Future of Connected Buildings](#)



Read the [blog](#)

*“Every building has its own function and personality and the Internet of Things and cognitive computing enable us to understand and control in powerful new ways that will transform the way we manage and experience buildings around the world.”*

— Jeff Gravenhorst, CEO, ISS

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<sup>1</sup> World Green Building Council, Health, Wellbeing & Productivity in Offices, the next chapter for green building, [http://www.worldgbc.org/files/6314/1152/0821/WorldGBC\\_\\_Health\\_Wellbeing\\_\\_productivity\\_Full\\_Report.pdf](http://www.worldgbc.org/files/6314/1152/0821/WorldGBC__Health_Wellbeing__productivity_Full_Report.pdf)

<sup>2</sup> Happiness and Productivity, Andrew J Oswald, Eugenio Proto and Daniel Sgroi, University of Warwick.

<sup>3</sup> Harvard Business Review: Workspaces That Move People, Ben Waber, Jennifer Magnolfi & Greg Lindsay, Oct 2014.

<sup>4</sup> World Green Building Council, Health, Wellbeing & Productivity in Offices, the next chapter for green building, p 37.

<sup>5</sup> Circadian, Absenteeism: The Bottom-Line Killer, <http://www.workforceinstitute.org/wp-content/themes/revolution/docs/Absenteeism-Bottom-Line.pdf>

<sup>6</sup> Harvard Business Review: Workplace re-design proven to improve employee productivity, Steff Humm, Jul 2015 <http://www.hbrreview.co.uk/hr-news/strategy-news/workplace-re-design-proven-improve-employee-productivity/58471>

<sup>7</sup> Deloitte University Press: Smart buildings: How IoT technology aims to add value for real estate companies, The Internet of Things in the CRE industry, 2016.

<sup>8</sup> Terrapin Bright Green: The economics of biophilia. [www.terrapinbrightgreen.com/reports/the-economics-of-biophilia/](http://www.terrapinbrightgreen.com/reports/the-economics-of-biophilia/)

<sup>9</sup> CB Richard Ellis, “Driving an Aggressive Occupancy Cost Reduction Program,” January 2009.

<sup>10</sup> The Economy of Things Extracting new value from the Internet of Things, IBM Institute for Business Value 2015, <http://www-935.ibm.com/services/us/gbs/thoughtleadership/economyofthings/>

<sup>11</sup> UN Environment Programme: <http://www.unep.org/sbci/AboutSBCI/Background.asp>