



Press Release

February 3, 2019

Saving energy use and costs in hotels and maintaining superior guest experience

- Hotels are still a long way from meeting a targeted 66% carbon emission reduction by 2030
- Research by Cundall shows that Signify's connected guest room management system, Interact Hospitality, helps hotels consume 28% less energy
- Additional 10% savings can be achieved by hotel guests using the 'Green Mode'

Eindhoven, the Netherlands – The hotel industry faces the challenge to reduce its carbon emissions by 66% by 2030 and 90% by 2050 to stay within the 2°C threshold agreed at COP21¹, a United Nations Climate Change initiative. Commissioned by [Signify](#) (Euronext: LIGHT), the world leader in lighting, a study by [Cundall](#) shows that for mid-scale and luxury hotels, using [Interact Hospitality](#) can deliver significant energy savings without compromising on quality and guest comfort. This connected guest room management system allows for intuitive guest room management in a single dashboard. Compared to rooms with no smart controls in operation, a luxury hotel can consume 28% less energy per guest room at 80% occupancy. When the guest uses the Green Mode on the thermostat an additional 10% energy saving can be achieved.

Hotels are big players when it comes to energy consumption, consistently ranking among the highest energy consumers of the tertiary building sector, which focuses on delivering services. One possible explanation for high energy use and inefficient energy practices, is that hotels often prioritize guest comfort and experience over everything else. But much more can be done than asking guests to opt-in to less frequent towel changes and the increasing use of refillable toiletry dispensers. Cundall's study shows how integration of control systems into key building services (air conditioning, lighting and power), can play a major role in reaching the energy reduction targets set by the International Tourism Partnership², while maintaining guest comfort.

"Signify's Interact Hospitality system has a big impact on reducing energy costs, as it controls the room lighting, air conditioning, power and charging sockets and motorized curtains. For example, hotels can optimize their energy usage in unoccupied guest rooms by adjusting the temperature levels in the room automatically and open curtains only when guests have checked in," said Jella Segers, Global Lead for Hospitality at Signify.

Cundall's study shows that 65% of the realized energy savings in the hotels studied were achieved due to the integration between Interact Hospitality and the hotel property management system. The remaining 35% energy savings are achieved due to the real-time occupancy control in the guest room.

"Commonly used temperature setpoints used by hotels often make guests feel too warm or too cold, marking vast gaps between indoor and outdoor temperatures. Working with Cundall, recommendations of temperature setpoint ranges have been created, commonly referred to as

¹ COP21 <https://unfccc.int/process-and-meetings/the-paris-agreement/what-is-the-paris-agreement>

² ITP: <https://www.tourismpartnership.org/>



adaptive comfort hypothesis,” Segers added. Understanding the bandwidth of comfortable temperature set points gives more options for energy savings.

“Based on seasonal changes, the Interact Hospitality system provides support to automatically update temperature setpoints across the hotel, balancing energy use with optimal guest comfort,” said Marcus Eckersley, Managing Director SEA for Cundall.

“Although this study has presented significant energy savings for hotels in hot climates within Southeast Asia, Middle East and North Africa, we anticipate similar savings from heating for hotels in temperate climates, like Europe and North America. Hotel operators can expect favorable returns on investment, compared to guest rooms without a smart control system in operation,” Eckersley added.

Through its open Application Program Interface (API), the Interact Hospitality system communicates to various hotel IT systems, from housekeeping to engineering, as well as guest tablets. Other than maximizing energy efficiency and meeting sustainability goals, staff productivity and guest experience are improved. Operations can be streamlined, and fast turnaround times are possible with minimal guest disruptions, as Interact Hospitality offers an intuitive dashboard with real-time displays of guest requests and room conditions.

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About Signify

[Signify](#) (Euronext: LIGHT) is the world leader in lighting for professionals and consumers and lighting for the Internet of Things. Our [Philips](#) products, [Interact](#) connected lighting systems and data-enabled services, deliver business value and transform life in homes, buildings and public spaces. With 2019 sales of EUR 6.2 billion, we have approximately 32,000 employees and are present in over 70 countries. We unlock the extraordinary potential of light for brighter lives and a better world. We have been named [Industry Leader](#) in the Dow Jones Sustainability Index for three years in a row. News from Signify is located at the [Newsroom](#), [Twitter](#), [LinkedIn](#) and [Instagram](#). Information for investors can be found on the [Investor Relations](#) page.

About Cundall

Cundall is an international multi-disciplinary engineering consultancy with over 900 staff and offices in 11 countries across the globe. Cundall provides practical advice and solutions, which



reduce the environmental impact of developments, and provide better spaces for building users and occupiers, as well as for the wider community. For more information about Cundall, please go to www.cundall.com or [www.twitter.com/Cundall Global](https://www.twitter.com/Cundall_Global).