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# Electric vehicle parking at The Outlook offices at Schiphol just got smart

**ENGIE, Smappee and EVBox are joining forces to put The Outlook building at Schiphol Central Business District (NL) at the heart of a green transport revolution**

**Amsterdam, 19 September 2019** – Microsoft employees working at The Outlook building in the Netherlands, managed by Schiphol Real Estate, can charge their electric cars at one of the 40 new EVBox charging points. Interestingly enough, the building's infrastructure actually allowed for only 17 charging points to be installed. This is where smart energy management comes into play. With the smart solution offered by technical service provider and energy company [ENGIE](#), charging station manufacturer [EVBox](#) and smart charging enabler [Smappee](#), The Outlook is now able to operate 40 EV charging points instead of just 17, without having to change the current infrastructure. The installation also features bidirectional charging, developed by ENGIE and Hitachi: which allows a dynamic (smart) exchange of energy between cars, building and grid.



*Setup of EVBox charging stations at The Outlook (Schiphol)*

## **Addressing EV charging challenges**

For the owners and operators of large retail and commercial buildings or major transport hubs, increasing numbers of electric vehicles can be a challenge when it comes to charging. The new energy management technology that ENGIE, Smappee and EVBox have developed allows for a low-cost alternative which reduces the need for changes in the current energy infrastructure. Schiphol Real Estate is leading the charge in a pioneering project.

## **Dynamic load balancing for safe, optimized EV charging**

To add more charging stations at The Outlook building, system integrator ENGIE implemented a unique solution together with its partners EVBox and Smappee: EV charging stations with dynamic load balancing. As such maximizing the number of stations without overloading the building's electrical capacity. Employees working in Schiphol Real Estates' office building The Outlook are the first to benefit from the new technology.



*Example of Dynamic Load Balancing at The Outlook (Schiphol)*

The 40 electric vehicle charging points at The Outlook are divided into two 20-unit strings. At the head of each string is a smart charger equipped with Smappee Infinity technology. It tells the EVBox charging stations how much power to use, logically sequences charging and reduces the power output when needed. This is to avoid overloads or exceeding peak capacity limits, while simultaneously ensuring that every vehicle is optimally charged. It will also enable bidirectional charging: vehicles giving energy back to the building or grid when needed, and adjusting the charging rate when needed.

The Outlook is now able to operate all 40 EV charging points using infrastructure originally designed to support just 17 and is realizing considerable savings by not having to change anything on the current infrastructure. Schiphol Real Estate aims to replicate this successful initiative in other locations.

***"Whether it is bidirectional EV charging, smart office buildings or the rollout of our sustainability objectives, partnering with leading firms like EVBox, ENGIE and Smappee is helping us to meet our sustainability goals and future-proofing our business."***

— Jan Willem Weissink, Managing Director of Schiphol Real Estate at Royal Schiphol Group

[Watch the videocase of this project here](#)

### **About Smappee**

Smappee is an [award-winning](#) global cleantech company that aims to save its customers energy and money by reducing energy consumption and improving energy efficiency. Our future-proof energy monitoring system uses state-of-the-art technology to analyze the real-time use of electricity, solar power, gas and water. Smappee is a leading player in its field, offering accurate energy data down to the appliance level. Thanks to its low TCO and multiple integration options, Smappee is the perfect match for ESCOs and companies looking for IoT energy technology integrations.

### **About ENGIE**

ENGIE is committed to responsible growth of its businesses (power, gas and energy services) to succeed in the central challenges of delivering an energy transition to a low-carbon economy: providing access to sustainably generated energy, combating climate change, reducing its effect and making responsible use of natural resources. The Group is developing high-performance, innovative solutions for personal customers, urban authorities and companies by applying its expertise in four key sectors: natural and renewable gas, renewable electricity, energy efficiency and digital technologies.

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#### **ABOUT EVBOX**

EVBox is the leading global manufacturer of electric vehicle charging stations and charging management software. With an installed base of over 85,000 charging points across more than 55 countries worldwide, EVBox drives sustainable mobility, by bringing durable electric vehicle charging solutions to the world. EVBox has offices in Amsterdam, Antwerp, Copenhagen, Oslo, Milton Keynes, Madrid, Munich, Paris, Bordeaux, New York and Los Angeles. Since March 2017, EVBox is a part of ENGIE. In 2018, EVBox acquired ultra-fast charging station manufacturer EVTronic, adding 700 previously installed fast charging stations to its European network.



EVBox