

## **Solar power plants at more than 30 Tokmanni stores – retailer will be an even bigger user of solar power in Finland**



**Tokmanni Oy has signed an agreement with its partner Solarigo Systems Oy to significantly increase the number of solar power plants at Tokmanni stores. The agreement will multiply the utilisation of solar power at Tokmanni stores.**

Over the years 2019–2021 new solar power plants will be installed on the roofs of around 30 Tokmanni stores across Finland. Solar power is currently already being used at five Tokmanni stores and at the Mäntsälä administrative and logistics centre.

“Tokmanni’s aim is to utilise solar power at more than 30 stores by the end of 2021. By significantly increasing our utilisation of solar power, we can reduce our climate load as well as costs,” says **Harri Koponen**, Store Network and Concept Director.

With the addition of the new plants, the overall power generated by the solar power plants used by Tokmanni will grow from more than 1 MW currently to almost 6 MW. In total, it is estimated these solar power plants will generate close to 5,000 MWh of electricity annually, corresponding to the annual electricity consumption of around 2,400 small apartments or approximately 24,000,000 kilometres driven by an electric car\*. At the end of 2021, there will be an estimated 21,000 solar panels on the roofs of Tokmanni stores.

The total output of each solar power plant will vary according to the size and needs of each store, but they are expected to typically generate around 10–15% of their store’s annual overall electricity consumption. Solar energy is used in lighting and refrigeration equipment, for example. In some exceptional cases, it is possible that the electricity generated by the stores’ solar power plants could be supplied to the power grid to be sold.

“Solar power is excellently suited to retail premises. We can make good use of the roofs at the properties managed by Tokmanni while reducing the climate load in a meaningful way. Tokmanni is one of the largest users of solar power in Finland,” says **Antti Koskelainen**, CEO of Solarigo Systems Oy.

### **Energy-efficient business**

The reduction of climate impacts is one of the most important areas of corporate responsibility at Tokmanni. The main emphasis of Tokmanni’s climate strategy is the climate impacts of its own operations, that is the reduction of carbon dioxide emissions and the energy usage of its properties.

Tokmanni’s target is to achieve carbon neutrality regarding the emissions of its properties, air travel and leasing cars by 2030. The target can be achieved by reducing energy consumption, improving energy efficiency, using renewable energy, purchasing renewable energy certificates and offsetting the emissions caused by air travel.

By investing in solar power Tokmanni is promoting the production of renewable energy, reducing CO<sub>2</sub> emissions and mitigating climate change in accordance with its principles of responsibility.

“The buildings where our stores are located often have a large roof area that can be utilised. The use of solar power improves our energy self-sufficiency. Our decision to increase our output of solar power by adding around 30 new solar power plants shows that we take climate change seriously and want to do our bit in mitigating it,” says Koponen.

Tokmanni introduced its first solar power plant at its Jämsä store in 2016. Tokmanni’s most significant solar power plant, which is one of the largest in Finland, is located at the company’s 80,400 square metre administrative and logistics centre in Mäntsälä. The solar power plant, with its 3,000 solar panels and maximum power of 825 kWp, which was inaugurated last year is estimated to generate around 677,000 kWh of electricity annually.

Through the use of solar energy, Tokmanni has so far managed to reduce its CO<sub>2</sub> emissions by approximately 77,400 kgCO<sub>2</sub>\*\*. Once the new power plants are completed, the total reduction achieved from all of Tokmanni’s power plants will be around 790,000 kgCO<sub>2</sub> annually\*\*\*.

The company is constantly exploring new opportunities for cutting energy consumption and using renewable energy.

“Our goal is to grow our store network to over 200 stores, and we will aim to install solar panels on the roof of every new store if the building’s structures allow it,” Koponen adds.

### **The following Tokmanni locations already have a solar power plant:**

Tokmanni Jämsä, commissioned in 2016  
Tokmanni Savonlinna, commissioned in 2017  
Tokmanni’s administrative and logistics centre, Mäntsälä, commissioned in 2018  
Tokmanni Kalajoki, commissioned in 2018  
Tokmanni Kouvolan Tornionmäki, commissioned in 2018  
Tokmanni Lielahdi, car wash, commissioned in 2019

### **For example, these locations will get a solar power plant in 2019–2021:**

Tokmanni Forssa  
Tokmanni Hollola  
Tokmanni Hämeenkyrö  
Tokmanni Iisalmi  
Tokmanni Ilmajoki  
Tokmanni Joutsa  
Tokmanni Järvenpää  
Tokmanni Klaukkala  
Tokmanni Lieto  
Tokmanni Masku

TOKMANNI  
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Tokmanni Mänttä  
Tokmanni Nastola  
Tokmanni Tuusula  
Tokmanni Uusikaupunki  
Tokmanni Vanhakylä

\* The calculations use the figure of 2,000 kWh as the annual electricity consumption of an apartment and the figure of 20 kWh as the electricity consumption of an electric car for every 100 kilometres driven.

\*\* Tokmanni's current emissions reduction of 77,400 kgCO<sub>2</sub> achieved with solar power is based on measured output data for the period of September 2016 – April 2019. The calculations use the average CO<sub>2</sub> emissions factor for electricity generation in Finland (calculated as a five-year moving average), which is 164 kgCO<sub>2</sub>/MWh.

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*Tokmanni is Finland's leading discount retailer chain. Some 3,600 Tokmanni employees make customers' everyday life and special occasions easier by offering a versatile and up-to-date assortment of Finnish and international brand-name products and other high-quality products at prices that are always affordable. With nearly 200 stores around Finland and an online store, Tokmanni is always close to its customers. Tokmanni's revenue in 2018 amounted to EUR 870.4 million. Tokmanni's shares are listed on Nasdaq Helsinki.*

*Solarigo is a Finnish energy company offering renewable solar power. Solarigo invests in solar power systems, provides solar energy generated on the spot and delivers entire solar power systems to its customers.*