

Press release

Green energy from filling station roofs

star filling stations are installing the first solar panels in Hamburg

Elmshorn, 7th of August 2019 – Companies, society and political institutions are challenged in equal measure to achieve the 2030 climate goals, and thus also a sustainable reduction in CO₂ emissions. ORLEN Deutschland GmbH and its star filling stations are doing their part in producing electricity in a more environmentally friendly way and reducing demand. In Hamburg, solar panels have been mounted on previously unused roofs of a filling station and are now ready for operation. On top of this, ORLEN Deutschland is reinforcing its leading role in promoting alternative fuels by expanding the fast-charging infrastructure at star filling stations in urban areas. Together, these two topics lead to a future vision of a sustainable and self-contained solar charging station.

The first star filling station with rooftop solar panels is located in Hamburg at Bargtheider Straße 67. The station aims to cover about 20 percent of its power consumption through green energy. This will not only benefit the climate, but also reduce energy costs. The plant can generate up to 27,000 kWh. Every kWh yields savings of 0.6 kg of CO₂ – amounting to a total of 16.2 tonnes a year. This equates to approximately eleven cars driving around 10,000 km a year with petrol or diesel and emitting 150 g of CO₂ per kilometre.

“After making a start in Hamburg and seeing positive analysis results from the test phase, we can imagine a quick and large-scale roll-out of the project,” says Waldemar Bogusch, CEO of ORLEN Deutschland GmbH and it’s petrol station brand star. After all, there are plenty more suitable roofs for solar plants on the more than 580 star filling stations. The solar panels in Hamburg were designed by ENnergy GmbH.

star also expands e-mobility offerings and considers a comprehensive solar charging station

“When it comes to alternative and future-orientated mobility solutions, star already offers a broad portfolio, making us the leading company among filling stations in the low-price segment,” says Bogusch. “That is why we are investing accordingly in the expansion of our filling stations.” Aside from offering alternative fuels such as hydrogen, LPG, or AdBlue, this also entails installing e-mobility fast-charging stations. Here, star is focusing on major cities



that are still undersupplied. The first fast-charging station was put into operation in Berlin last month, and more will follow within a few weeks in the regions of Berlin, Hamburg, and Luebeck. A potential next step is to create so-called solar charging stations that use green energy generated by solar power to cover part of the energy required for charging processes at star's new fast-charging stations. In the future, the star filling station on Bargtheider Straße could be equipped with a fast-charging station supported by solar panels.

Many star filling stations have already implemented further measures for reducing energy consumption. At new locations, these are now the standard. To name a few examples, a large number of beverage refrigerators have been replaced with new ones with doors, lowering the energy requirements for cooling drinks by 30 to 40 percent. star has also been using only LEDs and power-saving spotlights in its shops and outdoor areas for more than three years. Furthermore, the new car-wash systems are much more environmentally friendly in terms of water and power consumption, thanks to efficient technology and modern water treatment.



star Tankstelle_Solaranlage_Geschäftsführung und Tankstellenpartner @ORLEN Deutschland (v.l.n.r.):

Oskar Skiba (ORLEN Deutschland, CFO), Thorsten Viebrock (star Tankstellenpartner) and Waldemar Bogusch (ORLEN Deutschland, CEO)



star Tankstelle_Solaranlagen_Geschäftsführung @ORLEN Deutschland (v.l.n.r.):

Waldemar Bogusch (ORLEN Deutschland, CEO) and Oskar Skiba (ORLEN Deutschland, CFO)

star – a strong brand from ORLEN Deutschland GmbH

star is the petrol station brand of ORLEN Deutschland GmbH, which has been on the German market since 2003 and is operating more than 580 petrol stations. The company, which is based in Elmshorn near Hamburg, is part of the Polish oil and energy group PKN ORLEN S.A., which is the largest enterprise in Central Eastern Europe (CEE), with an annual turnover of EUR 25 billion in 2018.

PKN ORLEN is a leading player on the fuel and energy market and is listed in prestigious global rankings such as Fortune Global 500, Platts TOP250 and Thompson Reuters TOP100.

The Group owns state-of-the-art integrated infrastructure, capable of producing more than 35 million tonnes of various crude oil types per annum and of marketing its products through the CEE-region's largest network of more than 2,800 modern petrol stations. PKN ORLEN's offering includes over 50



top-quality petrochemical and refining products sold in more than 90 countries around the world on 6 continents. 60 percent of the company's revenues are generated outside the country.

For the last few years, ORLEN has been established as the most valuable brand in Poland. PKN ORLEN is also the only company in the region that has been awarded the prestigious title of 'The Most Ethical Company' for the sixth time in a row by the American Ethisphere Institute.

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