



September 06, 2019: Solar-Hydrogen in Münster now powered by Enapter electrolyser

Münster, Germany – Enapter’s electrolyser now generate hydrogen just outside of Münster, Germany, as part of a residential energy storage solution. Arno Tilsner runs the popular student magazine *na dann...* and started going off-grid in 2012. A solar installation on the *na dann...* rooftop supplied electric vehicles with power. Arno quickly understood that carbon free long-term energy storage needs to include hydrogen. In the beginning of his search, there were no matching solutions in the market. In February 2019, Arno found Enapter’s EL 2.0 and from first contact to installation it took 185 days.

“Hydrogen is the stuff of the century, the universal building block of the post-coal-oil-gas era,” expressed the hydrogen early adopter. Arno is determined to use his hydrogen-based “solar power-to-gas-to-power” use case for a weekly column in *na dann...* to spread the word of the advent of the hydrogen age to more than 50,000 students in Münster.

Arno’s new system is a showcase for residential green energy independence. The property is equipped with 5 kWp solar panels that generate electricity during the daytime, and any excess energy is used to produce hydrogen. Enapter installed one of its EL 2.0 electrolysers that generates 500 liters of hydrogen per hour. The hydrogen is converted back into electricity via a fuel cell. The heart of the electrolyser is the patented Anion Exchange Membrane (AEM) technology. With its simple balance of plant and no noble metals needed, Enapter’s AEM enables low cost generation of hydrogen. The modular solution can be scaled to any size by combining multiple EL 2.0 building blocks and is fully applicable for larger residential or commercial storage solutions.



Enapter



About Enapter

Enapter manufactures highly efficient, modular hydrogen generators using AEM electrolysis. Its core technology has a 10-year proven track record. It's the foundation for the unique low-cost, compact electrolyser. They used internationally in industries like telecommunications, mobility, energy. <http://enapter.com>

Oct 08 to 11, Enapter hosts The Big Thing in Thailand to raise awareness on hydrogen technology. <https://thebigthing.enapter.com>

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