



SOLUTIONS FOR THE HOTEL & CATERING INDUSTRY

- + E-CHARGING STATION INFRASTRUCTURE
- + SELF-CONSUMPTION OPTIMIZATION
- + RELIABLE ENERGY
- + SUSTAINABLE ENERGY SOLUTION FOR COST REDUCTION
- + CO₂ REDUCTION

= ECONOMIC EFFICIENCY AND SUSTAINABLE ENERGY SUPPLY

The secure and sustainable energy supply, currently represents the greatest challenge for hotel supply chain, when taking into account long-term profitability. In particular, the EU taxonomy requirements and ESG criteria play an essential role for the design of sustainable energy supply solutions.

For the NEWTRON team, these constraints are the focus our product development. Progressive and innovative solutions and a conceptual approach consider the overall energy supply, the specific requirements for a cost-effective operation of heat and power supplies, optimization of the self-consumption, the highest cost transparency and the attentive use of raw materials and energy.

Special attention is also paid to the necessary expansion of the e-charging infrastructure for guests and employees. Based on our portfolio of scalable system structure, we generate suitable solutions for the hotel and catering industry.

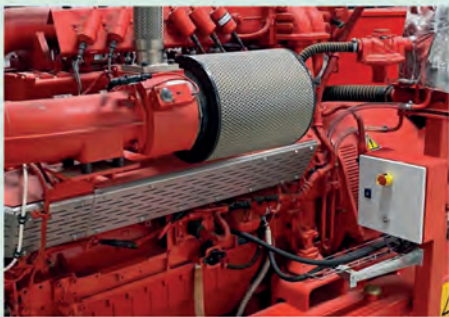
Future-proofed, competitive and sustainable.



SAVE ENERGY COSTS, REDUCE ENERGY CONSUMPTION

NEWTRON offers solutions to sustainably and effectively reduce the energy consumption. Thereby ensuring a sustainable and a cost-effective operation.

RELIABLE ENERGY. ECONOMIC. SUSTAINABLE.



We accompany our customers all the way in their projects from the project dimensioning to the feasibility study. We support you in the planning and in the developing of your custom-made concept.

If desired, we can offer assistance with the installation and the full maintenance of the desired project.

May we prepare your energy supply to be fit for the future?



DEMAND-ORIENTED SUPPLY

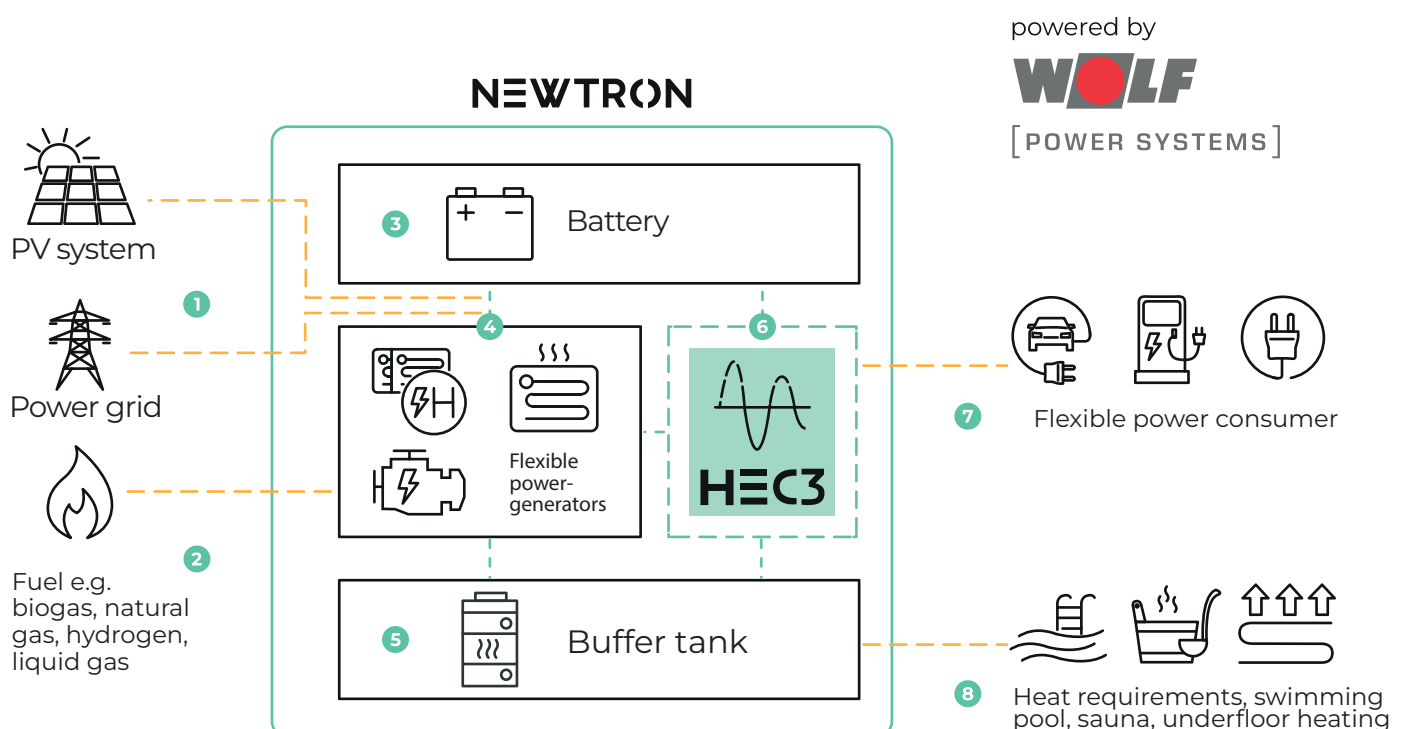
The NEWTRON energy supply solution can be adapted to the different hotel requirements thanks to its modular system structure which consists of battery storage systems, heat storage systems, controllable energy generation systems and an energy management system.

The energy management system allows, among other things, an efficient self-consumption optimization as well as offers advanced functions such as peak load shaving and energy trading. These features minimize energy procurement costs and thus make a significant contribution to a profitable operation.

If a desired/planned new e-charging station at a specific location is not economically justifiable due to the high cost of expanding the grid connection point, our modular battery storage system offers a more cost-efficient alternative to still be able to establish the e-charging station in the desired size at the desired location.

The required flexibilities and demands are synchronized through the digital networking of the individual components and the intelligent control of the energy distribution.

We accompany you on your journey, from the design of your individual NEWTRON energy solution, which is based on real data simulation, throughout each phase from the realization till the utilization phase.



The HEC3 management is the brain and the standardized interface to the energy components, which are monitored and energy flows are controlled according to demand. In addition, the HEC3 energy management system recognizes all latent energy requirements and inherently regulates the energy supply. In the process, additional functions such as peak shaving are realized or existing flexibilities on the electricity market are actively marketed.

- 1 Already existing or planned regenerative energy resources such as photovoltaic systems can be easily integrated into the intelligent HEC3 control system.
- 2 NEWTRON can be operated with all energy sources, including hydrogen.
- 3 NEWTRON battery storage systems consist of state-of-the-art and safe lithium iron phosphate battery modules.
- 4 Existing CHP units can also be integrated as a flexible energy generator.
- 5 The most common and most frequently used heat storage systems are above-ground buffer storage tanks. Surplus heat is integrated either into buffer storage tanks or into the local heat network.
- 6 HEC3 is the intelligent control system that coordinates the flow of energy from producers and to consumers. It consists of: **Plant control, energy management and the visualisation.**
- 7 Flexible energy consumers such as e-charging poles and general energy consumers in buildings.
- 8 Systems with heat demands are, for example for such as swimming pools, saunas and underfloor heating.



WOLF

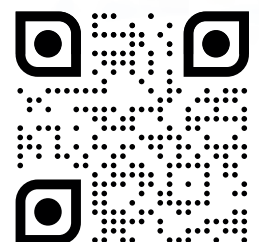
[POWER SYSTEMS]

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More info