



SOLUTIONS FOR PLANNERS AND ENGINEERING OFFICES

- + Power supply
- + Heat supply
- + Energy storage systems
- + Charging infrastructure
- + District supply
- + Energy management
- + Combined heat and power generation
- + Hydrogen (H₂)
- + Biomass utilization
- + Grid support
- + Autarky
- + Sector coupling

= Competent planning and support

Planning offices are currently facing major challenges. The energy systems are becoming increasingly complex, and an interdisciplinary approach is indispensable. Nowadays, a planner must develop holistic solutions in which heat and electricity are planned simultaneously. To make our society more sustainable, we need a flexible energy system that can integrate renewable energy sources.

A single-source partner for complete energy-efficient systems is more important than ever to meet these challenges. Thw NEWTRON Team offers expertise in implementing new construction projects and optimizing existing plants.

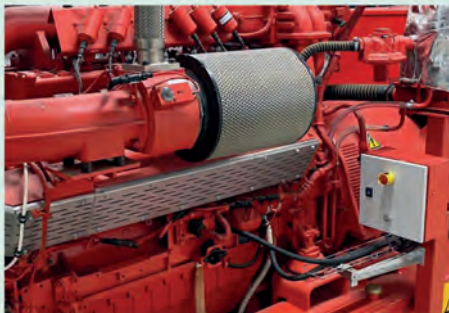
Future-proofed, competitive and sustainable



YOUR PROJECTS UNDER CONTROL

Planning offices need competent partners who can provide holistic support for complex projects.

INTELLIGENT. FUTURE-PROOFD. INDEPENDENT.



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.

Together to overcome obstacles and find new solutions.

May we prepare your projects for the future?



DEMAND-ORIENTED SUPPLY

Self-sufficiency through NEWTRON

The required flexibilities and needs are synchronized through the digital networking of the individual components and the intelligent energy distribution. NEWTRON and its HEC3 intelligence increase the system autarky in order to be able to continue supplying the vital consumers continuously even in the event of a complete grid failure.

Combined heat and power with e.g. hydrogen

All Wolf Power Systems CHP solutions can be operated with hydrogen or converted to hydrogen operation.

Sectors Coupling

Extensive and long-standing experience in the design of complex CHP plants.

Heat design

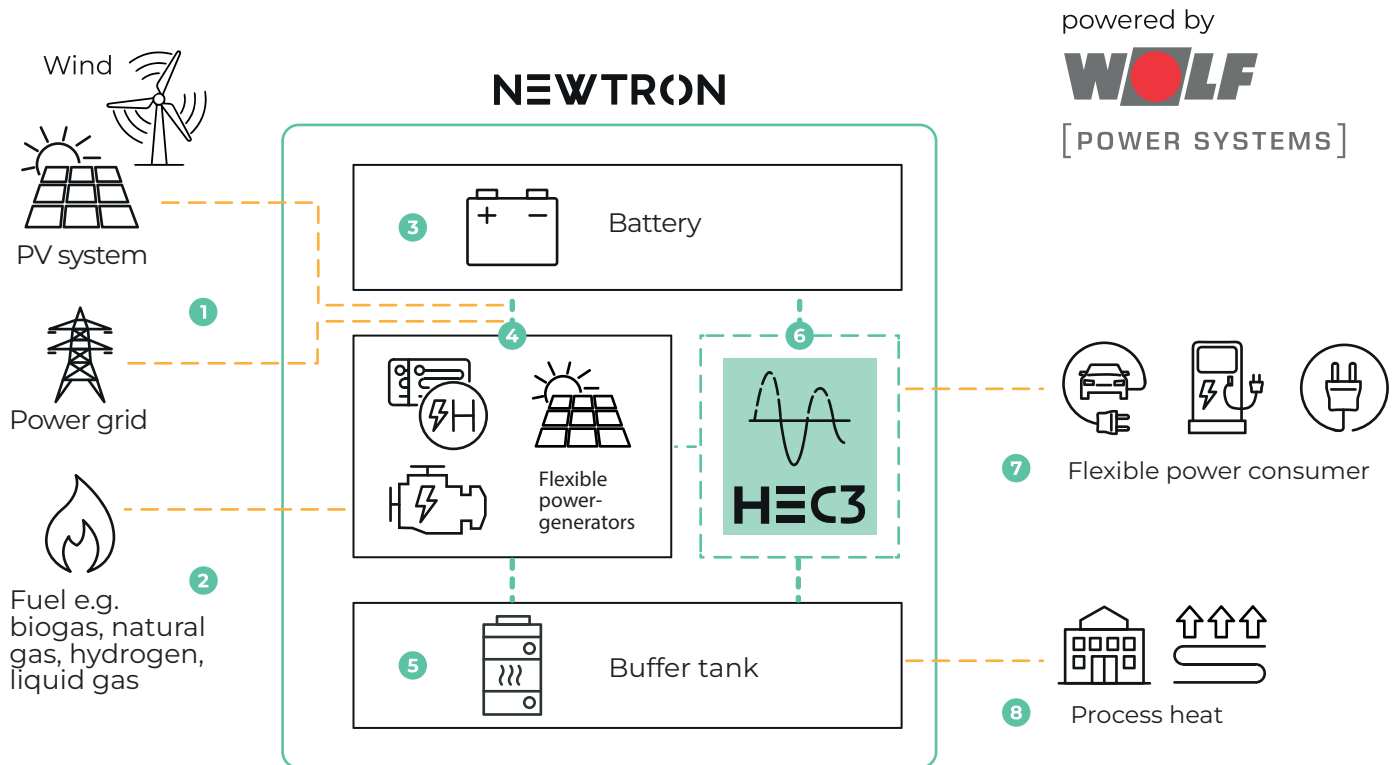
Design of heat supply solutions including the hydraulic connection.

Battery storage system

Power storage technologies based on the LiFePo₄ battery chemistry and the heat storage as buffer storage are designed in the desired size and capacity.

Energy management system

The HEC3 management is the core and the standardized interface to the energy components, which are configured according to the demand. It coordinates the energy flow and identifies flexibilities and trade them.



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 generators such as photovoltaic systems can be easily integrated into the intelligent control of the HEC3.
- 2 NEWTRON can be operated with all energy sources, including hydrogen.
- 3 NEWTRON battery storage systems consist of the state-of-the-art and safe lithium-iron-phosphate battery modules.
- 4 Your existing CHP units can also be integrated as flexible energy generators.
- 5 The most common and most frequently used heat storage systems are buffer storage tanks. Surplus heat is stored in buffer tanks or directly integrated into the local heating 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 include production facilities, battery-powered vehicles, and other heat and power consumers.
- 8 Process heat for building and district solutions.



WOLF

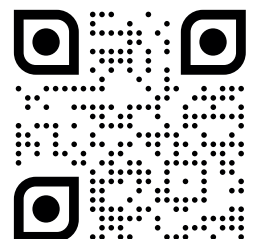
[POWER SYSTEMS]

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More Info