



SOLUTIONS FOR INDUSTRY AND BUSINESS

- + RELIABLE ENERGY
- + COST OPTIMIZATION
- + PEAK-SHAVING
- + SELF-CONSUMPTION OPTIMIZATION
- + REDUCTION OF GREENHOUSE GAS EMISSIONS

= SUSTAINABLE ENERGY SUPPLY

Industry is facing a major challenge as a consequence of the energy transition. The reliable and cost-efficient energy supply of the industrial infrastructure is significantly more complex and demanding due to the constantly increasing demands and the changes in the energy market.

The following energy requirements have to be fulfilled meet by the industry sector:

- Energy for heat during production process
- Energy for heating systems
- Energy for hot water supply
- Energy for power supply
- Energy for E-Charging infrastructure
- Energy for industrial trucks (logistics)

The essential characteristics of the energy supply in industry are to be the economic, affordable and reliable to guarantee the sustainability of the location.

Future-proof, competitive and sustainable.

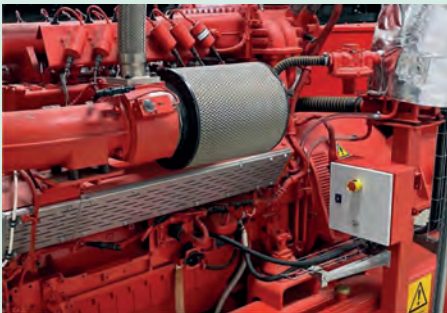


FUTURE-PROOFING YOUR ENERGY SUPPLY

The industry needs solutions to secure and provide its electricity and heat demand, as well as to optimize a sustainable self-consumption while maintaining its competitiveness.

Take the initiative now and benefit 3-folds:

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?



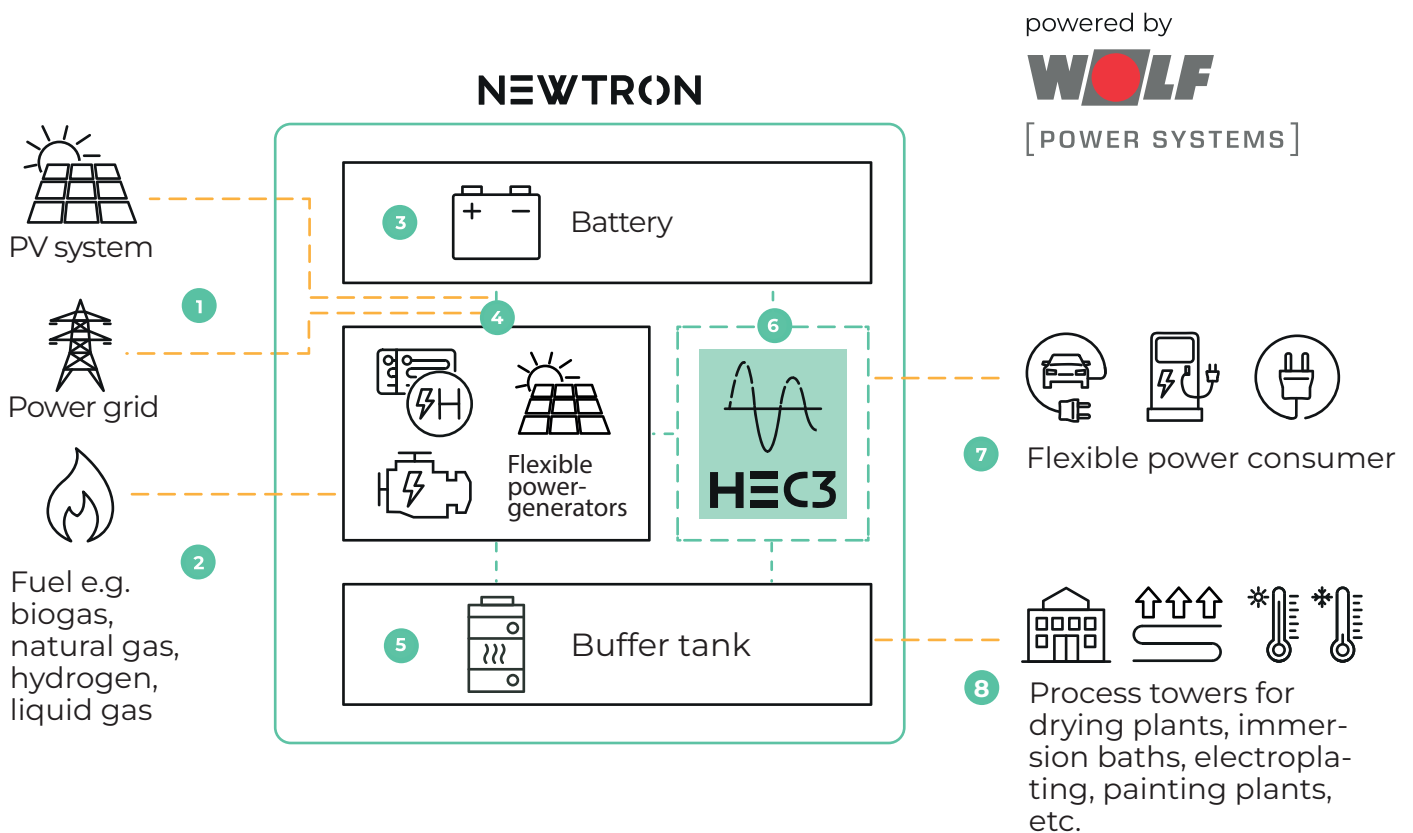
RELIABLE ENERGY SUPPLY IN INDUSTRY

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

The modular battery storage system allows, among other things, efficient optimization of the self-consumption as well as offers other functions like peak load shaving and energy trading.

Through the mentioned NEWTRON capabilities, the energy procurement cost are minimized. Thus a significant contribution to a cost-effective operation is made.

Optionally, the NEWTRON energy supply solution can be implemented as an emergency and/or a backup power system for this purpose, the design of the battery storage system as well as the energy management system is adjusted to fulfill the additional requirements.



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 For example CHPs, photovoltaic systems and large heat pumps can be used as controllable energy generators.
- 5 The most common and frequently used heat accumulators are buffer storage tanks. The surplus heat is integrated into buffer storage tanks or made available to the local heat network based on the demand.
- 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, electric vehicles, and other heat and electric consumers.
- 8 Process heat for drying plants, diving baths, galvanization, painting devices, disinfections etc.



WOLF

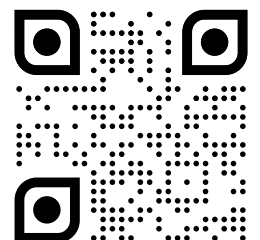
[POWER SYSTEMS]

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More info