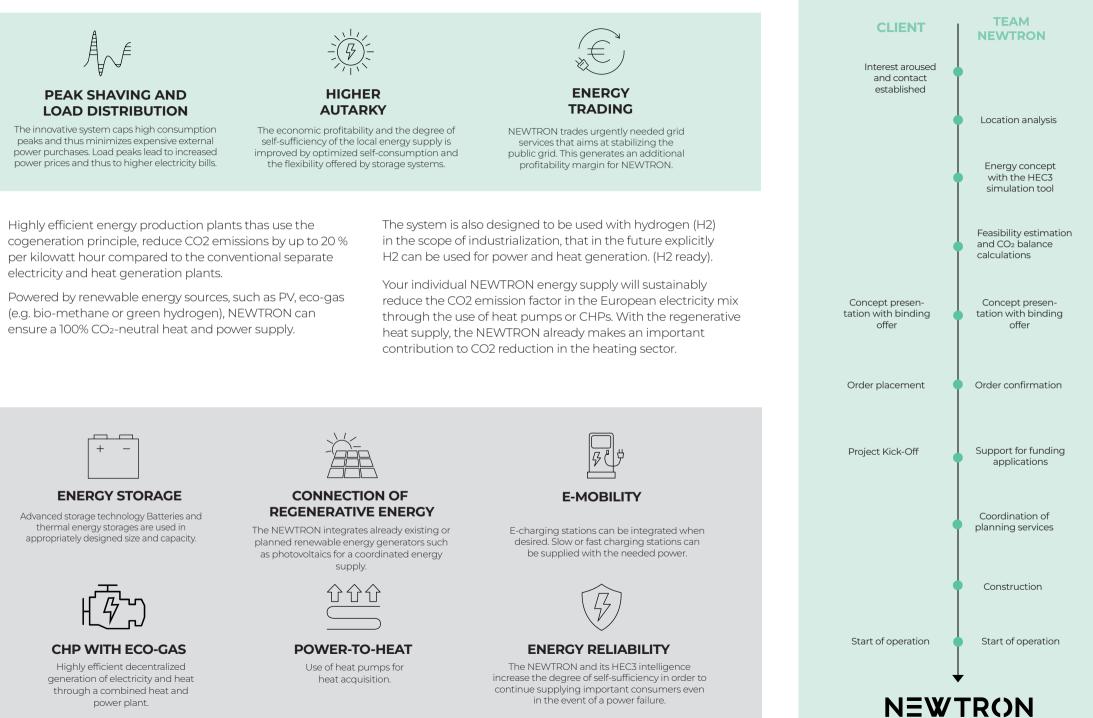
#### **PROFITABL OPTIMIZATION OF THE CO2 BALANCE OF THE ENERGY SUPPLY**



IMPLEMENTATION PROCESS



**REFERENCE LOCATION** Centrotherm Systemtechnik GmbH Am Patbergschen Dorn 9, D-59929 Brilon



REFERENCE LOCATION WOLF POWER SYSTEMS GMBH Unterm Dorfe 8, D-34466 Wolfhagen www.wolf-ps.de

#### ARE YOU INTERESTED?

Please contact us.

We will be happy to provide you with further details on the NEWTRON concept or prepare a personalized offer for you. **info@newtron.energy**, www.newtron.energy

# **NEWTRON**

## SHAPING THE FUTURE OF ENERGY



### **DECENTRALIZED, MODERN HEAT / POWER GENERATION**



#### DEMAND-ORIENTED SUPPLY

The demand for electricity and heat must be available in sufficient quantities and at the required times.



#### PREDICTABLE COSTS

Energy costs must remain forseeable and within the individual budget.



#### **REDUCE CO<sub>2</sub> BALANCE**

The energy supply is significantly responsible for CO<sub>2</sub> emissions. To achieve the GHG neutrality target, the focus should be on a holistic transformation concept according to BAFA EEW (up to 50%).

#### YOUR ENERGY UNDER CONTROL

Companies need innovative solutions for securing and supplying their electric and heat energy demands, for an example, the electricity demand of E-Mobility charging stations.

Take the initiative now and benefit 3-fols!

### owered by

WOLF

#### DEMAND-ORIENTED SUPPLY

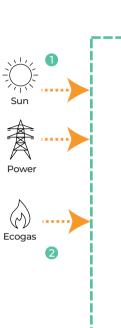
The required flexibilities and needs are synchronized through digital networking of the individual components and the intelligent energy distribution.

NEWTRON controls your energy supply comprehensively and complementarily. Heating and power supply are ensured for a commercial usage as well as for a charging infrastructure or process cooling & heating, if required. All energy requirements are monitored as a whole and supplied by a comprehensive energy automation system.

As an energy source. NEWTRON combines self-generation units such as photovoltaics with suitable grid-supporting components and intelligent energy storage system. In this way, a cost-optimized and carbonneutral energy supply can be achieved. The site can be further expanded in the future.

We accompany you on your journey, from the design of your individual NEWTRON energy solution based on real data simulation, throughout each phase from the realization till the utilization phase. It goes without saying that we at NEWTRON provide comprehensive advice on subsidies. including BAFA modules 1-5 "Energy Efficiency in the Economy", as well as the necessary application for subsidies.

May we prepare your energy supply for the future?



#### **HYBRID ENERGY CONTROLLER HEC3**

The HEC3 management is the core and the standardized interface to the energy components, which are individually configured ads requested demand. With the HEC3 energy management system, energy flows are identified and flexibilities are actively traded on the electricity market.

- Already existing or planned regenerative energy generators such as photovoltaic systems can be easily integrated into the intelligent HEC3 control system.
- NEWTRON can also work exclusively with renewable energy, free of fossil resources, for example, with biogas CHP.
- 3 NEWTRON battery storage systems consist of state-of-the-art and safe lithium iron phosphate battery modules.

#### Flexible energy generators can be: • PV Combined heat and power plants heat pumps • Fuel cells

5 The most common and frequently used heat storage systems are above-ground buffer tanks. Surplus heat is integrated into buffer network.

6 HEC3 is the intelligent control system that coordinates the energy flow from producers and to consumers. It consists of: Plant control

Energy management

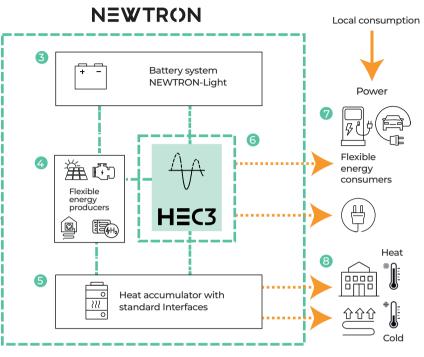
Centralized system

**NEWTRON - THE ENERGY FUTURE** 

Avoid costly grid expansions while increasing your electric consumption through modern E-mobility

	NEWTRON	
Generates energy where needed		 for maximum independence and energy reliability
Provides flexible energy		 for 100% cost management and consumption optimization
is modular and expandable		 for any initial situation

WTRON



- storage tanks or into the local district heating

The focus is placed on the cost effectiveness of your energy supply. Each individual function of the NEWTRON creates its own profit contribution, which is why the NEWTRON is configured for multi-use.

