



YOUR PARTNER IN

DECENTRALISED ENERGY SOLUTIONS

S4 Energy is an energy solution specialist with a focus on storage-based setups. S4 Energy combines its proprietary technologies with a global network of technical partners and knowledge-rich institutions, turning your energy challenges into integral, profitable solutions.

KINEXT Energy Storage

KINEXT for the first time enables storing large amounts of energy at high efficiency rates with an exceptionally short response time. The modular design allows integration in a variety of setups, which makes KINEXT an essential part of any modern energy solution.

Traditional storage technologies suffer from degradation, insufficient capacity, high losses, slow response and/or specialty components. S4 Energy's proprietary and innovative KINEXT technology, which is based on flywheel basics, holds the answer.

Additional benefits include the customizable configuration and setup with a choice of standard issue electric motors/generators, which allows easy maintenance, and safe operation due to the low RPM.

S4 Energy developed proprietary integral management software which makes it possible to present the added value of the energy storage solution in the customer specific user case. Furthermore, the control software allows us to translate case requirements into solution specifications.



PROFITABLE ENERGY SOLUTIONS START WITH

KINEXT ENERGY STORAGE

KINEXT key properties:

- Cycle Efficiency 92%
- Stand-By Loss 7,5% per hour
- Capacity 30 kWh
- Power Capacity 0,1 - 1+ MW
- Response Time <20 mSec
- Lifetime 20 years/100.000+ cycles
- TCO € 0,40 - € 0,04 per kWh stored

KINEXT unique benefits include:

- Large available energy back-up capacity providing energy stability
- Very fast response on power fluctuations
- Low cost device with a very long lifetime
- No hazardous chemicals or environmentally unfriendly elements
- Low operating cost and easy maintenance
- Flexible and adaptable system

S4 Energy solution excellence brings you:

- Optimization of the available energy
- Recycling of otherwise unutilized energy
- Reducing or postponing capital expenditure in the infrastructure for energy distribution
- Reduction of peak requirements of energy (and peak rates for end-users)
- Effective energy and smart grid management tools
- Ensure uninterrupted power supply

PLEASE CONTACT US TO DISCUSS YOUR NEXT ENERGY SOLUTION TODAY!

MAIN OFFICE

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