



KINEXT Energy Storage



We build, own and operate energy storage projects

KINEXT Energy Storage

KINEXT enables storing large amounts of energy at high efficiency rates with an exceptionally short response time. S4 Energy's proprietary, innovative KINEXT technology, which is based on flywheel technology, has a modular design allowing integration in a variety of setups.

Additional benefits are the high power to energy ratio, no degradation of the capacity, setup with a choice of standard issue electric motors/

KINEXT Benefits

- High power-to-energy ratio
- Very fast response to power fluctuations
- Free of hazardous chemicals or harmful elements
- Low operating cost and easy maintenance
- Flexible, modular and adaptable set-up

S4 Energy Solution Adds Value

- 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

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.

Technology: Flywheel

Capacity: 30 kWh

Stand-By Loss: 7 %/hr

Power Capacity: Modular, 0,1 – 1 MW

Cycle Efficiency: 92 %

Response Time: < 20 ms

Lifetime: 20 years/1.000.000+ cycles

Footprint: 4 x 4 meters

Would you like to know more?
Contact our team to discuss your
application today.

Please call **+31 (0)10 742 0840**
or visit **s4-energy.com**

