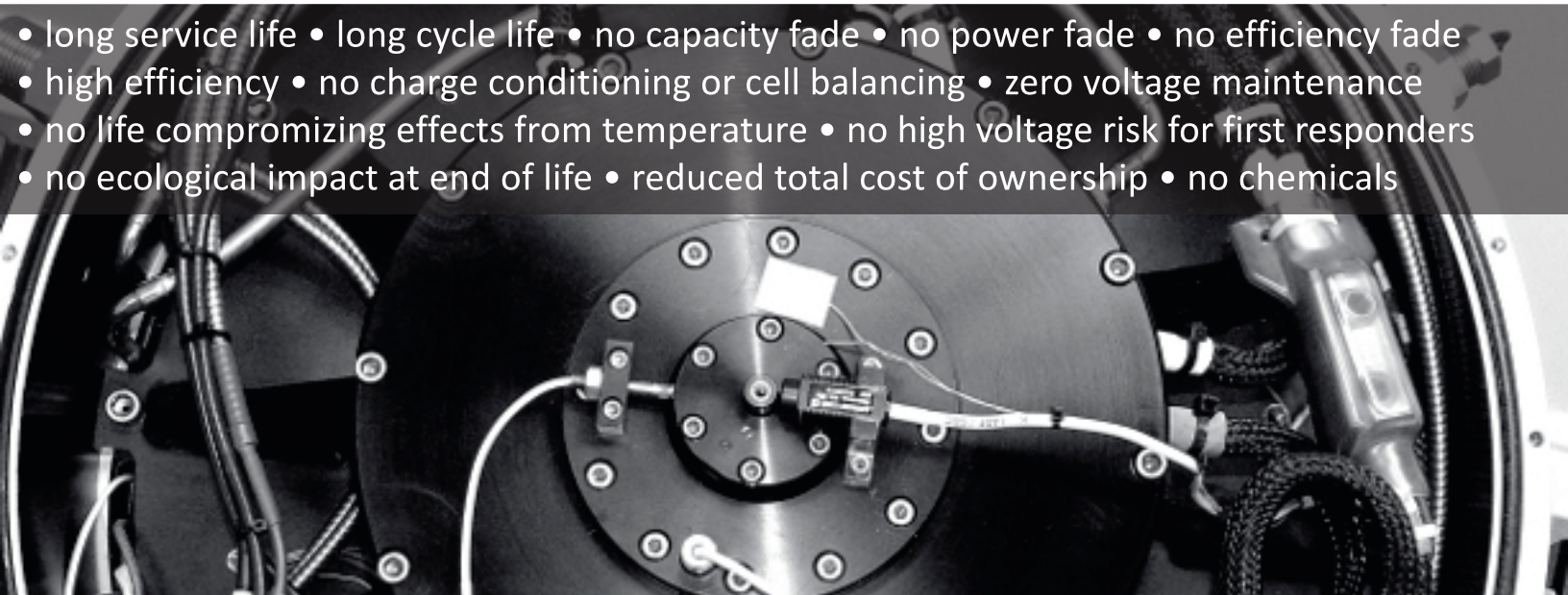


Durable systems for maximum uptime

Flywheels are an ideal energy storage system (ESS) to hybridize lifting devices of any description. The long life and high cycle tolerance mean that the flywheel ESS will last the lifetime of the unit, thus removing ESS replacement costs normally associated with battery and ultra-capacitor systems. In addition the minimal maintenance required ensures maximum uptime for full unit productivity.

- long service life • long cycle life • no capacity fade • no power fade • no efficiency fade
- high efficiency • no charge conditioning or cell balancing • zero voltage maintenance
- no life compromising effects from temperature • no high voltage risk for first responders
- no ecological impact at end of life • reduced total cost of ownership • no chemicals



Advanced flywheel energy storage solutions



Designed to plug into a DC rail and with configurable voltage, our systems are just as effective as a retrofit to an existing lifting device or as part of a new design.



- Cranes
- RTG / RMG
- Fork lift trucks
- Hoists
- Lift/turn tables
- Platforms
- Special

As an example to demonstrate the effectiveness of energy harvesting, a 1 over 6 (21 m), RTG hoisting 50 tonnes at an operating speed of 25 meters per minute will save 750 g of CO₂ per lift. Assuming 100 lifts per day this is equivalent to approximately 27 tonnes of CO₂ per year. The amount of diesel saved is approximately 37,000 liters per year.

Contact us today for more information or to obtain a quote.