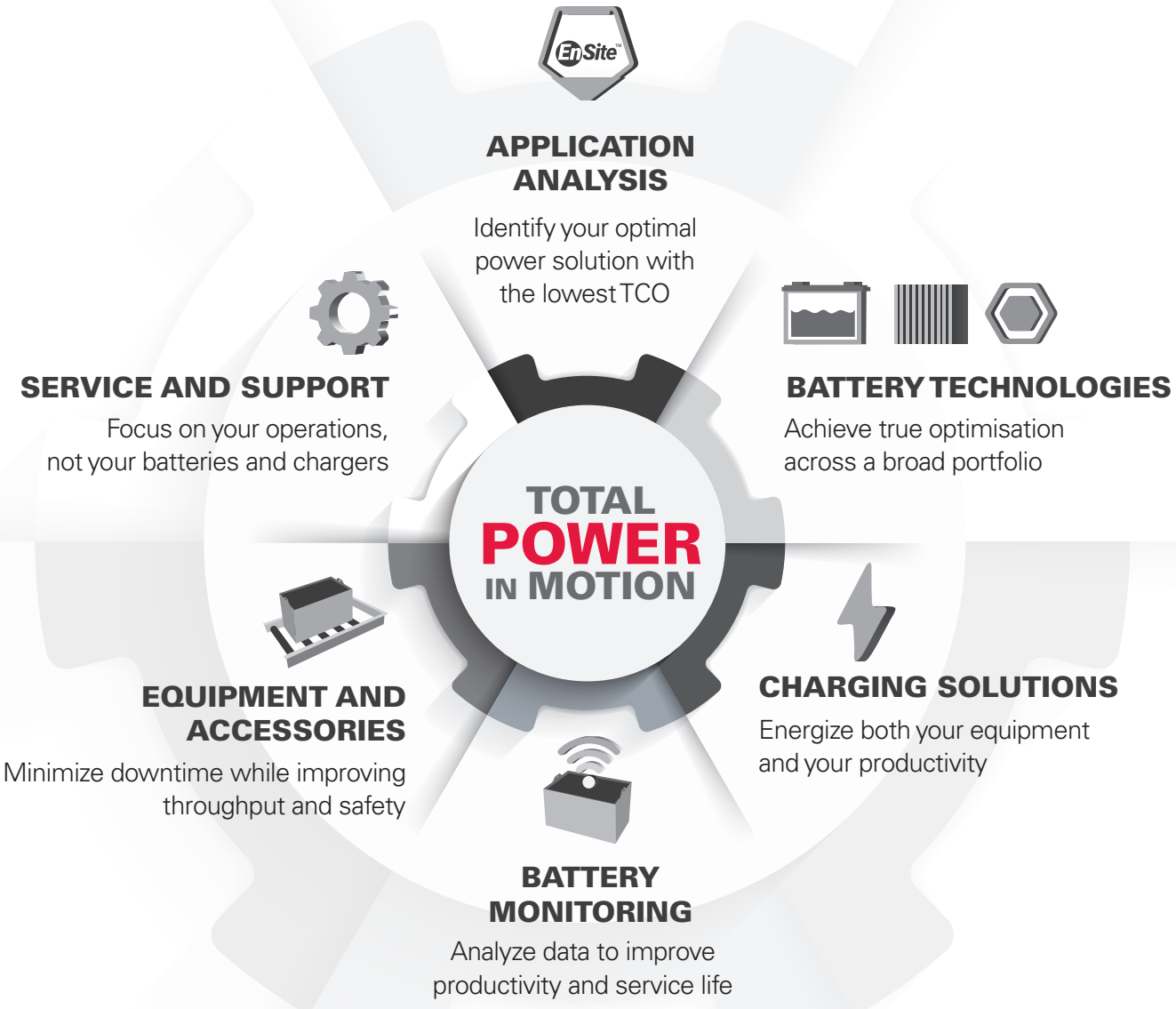
SOLUTIONS TO EMPOWER YOU IN A CHANGING WORLD

EnerSys®
Power/Full Solutions

YOUR EMPOWERMENT STARTS HERE

Rising throughput requirements. A strained workforce. Spiraling operating costs. These are just a few of the challenges faced in a changing world. EnerSys® can put **Total Power in Motion** to help address your operational challenges with a turnkey power approach that includes data analytics, a broad array of battery technologies and much more, all backed by an extensive service network. With EnerSys®, you don't need to be a power expert to handle change, because you're partnered with one.



APPLICATION ANALYSIS

Expanding technologies and operating inputs can overload traditional evaluation methods for equipment power. With EnerSys®, you can make confident, data-driven decisions about equipment power solutions for your fleet that factor-in technical and operational requirements.

EnSite™

We work with you to collect data about your application: shift and operating profiles, breaks and charging opportunities, equipment energy usage, potential changes in throughput levels and more. Then we enter your data into our EnSite™ modeling software to find a solution that meets your operational requirements while helping lower operational costs.

- Tailors solutions to meet application demands
- Compares battery and charger combinations
- Predicts overall application performance
- Estimates greenhouse gas reductions on combustion-to-electric conversions
- Forecasts ownership cost savings and overall Return on Investment (ROI)

BATTERY TECHNOLOGIES

From traditional lead acid to advanced, maintenance-free Thin Plate Pure Lead (TPPL) and Lithium-ion (Li-ion) technologies, EnerSys® battery solutions fulfill the widest range of application requirements.

LI-ION TECHNOLOGY

NexSys® iON

NexSys® iON battery solutions feature the material handling industry's most advanced Li-ion technology. Built to the highest safety, design and manufacturing standards, NexSys® iON batteries are ideal for heavy-duty operations and stringent applications.

TPPL TECHNOLOGY

NexSys® TPPL

NexSys® TPPL battery solutions provide maintenance-free power for thousands of applications worldwide. Optimised for fast and opportunity-charging, NexSys® TPPL batteries are ideal for light- to medium-duty applications, while an optional Accelerated Throughput Package is available for certain higher volume applications. Combining advanced bloc design technology with robust materials and construction, NexSys® TPPL battery blocs provide exceptional flexibility and performance, as well as high resistance to shock and vibration.

TPPL TECHNOLOGY

NexSys® TPPL

NexSys® TPPL batteries are certified to ATEX standards, specifically designed for use in material handling equipment operating in hazardous areas. The batteries conform with the relevant provision of directive 94/9/EC of 23 March 1994. Conformity has been demonstrated with reference to SIRA ATEX and SIRA IECEx documentation.

FLOODED LEAD ACID

HAWKER perfect plus®

Perfect Plus® batteries provide a high level of power and reliability for all industrial truck applications, from simple shifts with a low capacity loading up to extreme heavy-duty multi-shift workload. Perfect Plus® batteries provide higher capacity and efficiency in discharge achieved by advanced components used in the construction of the positive plates.

FLOODED LEAD ACID

HAWKER evolution®

Evolution® batteries are valve regulated gas recombination batteries with gelled electrolyte. This prevents any acid leakage and topping up water is not required. The Evolution® battery is maintenance-free over the entire operational life. This battery range is suitable for use in material handling equipment in low to medium duty applications accepting up to 80% Depth of Discharge (DOD).

FLOODED LEAD ACID

HAWKER Water Less®

Water Less® batteries combine the power and reliability of tubular vented technology (PzS) with the convenience of extended watering intervals – 4, 8 or 13 weeks, depending on the charging technology. Less frequent topping up means reduced labour costs. Water Less® traction batteries provide a high level of power and reliability for all industrial truck applications.

FLOODED LEAD ACID

IRONCLAD®

The square tube technology in IRONCLAD® batteries has an increased positive-plate surface area versus conventional round tube and flat plate batteries. More plate surface area means more power to help lift trucks work harder and longer into their shift.

CHARGING SOLUTIONS

EnerSys® battery charging solutions are sized and tuned to your batteries and operation to maximise energy replenishment and Total Cost of Ownership (TCO) savings.

NexSys® AIR

NexSys® AIR wireless chargers deliver the convenience of hands-free charging across a wide range of equipment applications. Able to charge multiple battery technologies, NexSys® AIR wireless chargers can help boost safety, reliability and productivity.

NexSys®+

Ideal for mixed fleet battery management, NexSys®+ chargers include charge profiles for multiple battery types and sizes, as well as an option for charging outdoors.* All NexSys®+ chargers are compatible with Wi-iQ® battery monitoring devices - communicating critical battery information to optimise charging performance.

NexSys® COMpact

NexSys® COMpact battery charger is the onboard solution designed to fit most 24V batteries for Class 3 warehouse forklifts. With its advanced iQ intelligence** and compact size, this charger produces serious power on demand. The solution enables operators to recharge anytime at the nearest available AC socket, eliminating unprofitable and unproductive transfers to remotely located charging stations.

IMPAQ™

Offering value and performance in high frequency charging, IMPAQ™ chargers feature a standard flooded lead acid charging profile, as well as charge profiles for select NexSys® TPPL batteries.

*Requires optional NexSys®+ Outdoor charger model with IP-54 rated enclosure.
**The charger is embedded with the functionalities of the Wi-iQ® battery monitoring device.

BATTERY MONITORING

EnerSys® battery monitoring transforms your data into actionable intelligence to help extend service life, reduce operating costs and size your fleet properly for overall operational improvement.

The Wi-iQ® battery monitoring device delivers the first step in the transformation of data into actionable intelligence that supports higher reliability and longer battery life. Along with storing all battery operating data on the device itself, the Wi-iQ® device wirelessly communicates with the Truck iQ™ smart battery dashboard, E Connect™ mobile app, EnerSys® modular chargers and Xinx™ battery operations management system.

The Truck iQ™ smart battery dashboard is an equipment-mounted display that reads data via Bluetooth from the Wi-iQ® device, providing drivers a live view of key battery operating conditions.

Available free for Android™ and iOS® operating systems, the E Connect™ mobile app enables users to see and share a range of real time battery and charger operating data on mobile and tablet devices.

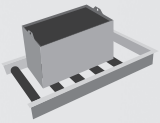
Xinx™ battery monitoring system can make your battery solution more productive and profitable, by improving asset performance, maintenance processes, operator compliance and decision making.

With productivity and cost optimisation reporting, Xinx™ battery monitoring system is the right solution for managing operations daily, weekly or monthly.

SERVICE & SUPPORT

Stop worrying about batteries and focus on your operations to drive productivity. The EnerSys® team of service technicians and partners will help you get the most from your battery systems, from installation and certification to diagnostics, maintenance, repair and monitoring.

- 24/7 coverage from 40+ locations and 150+ factory-certified technicians
- Comprehensive maintenance reporting and monitoring plans
- Service and support agreements tailored to your requirements
- Cloud-based monitoring and reporting tools
- Dedicated recycling programs that comply with environmental requirements



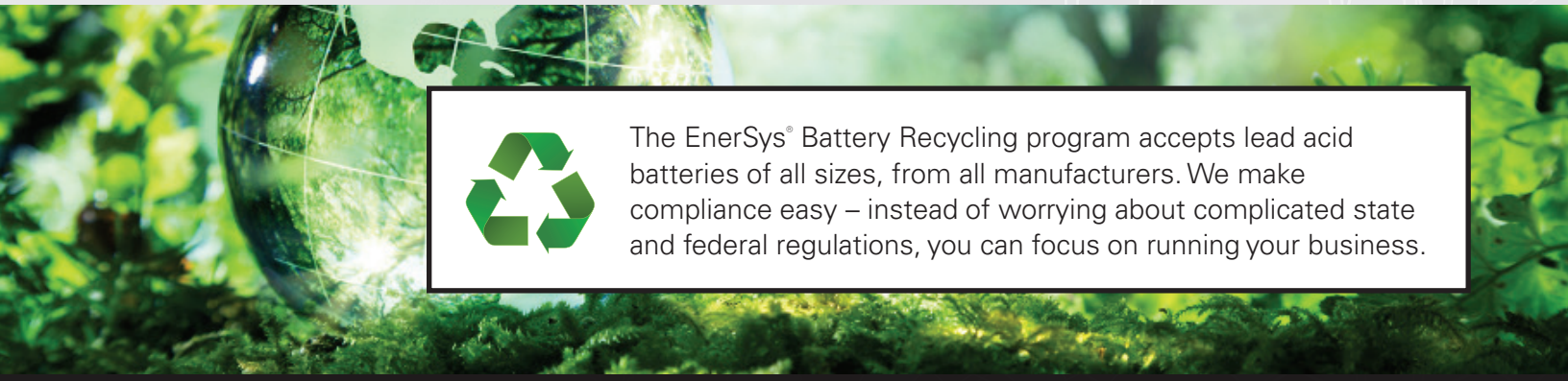
EQUIPMENT & ACCESSORIES

PROSERIES®

Reduce the risk of injury, minimize loss of operator time and the inconvenience of battery changes with EnerSys® battery handling systems and accessories.

- Pedestrian Battery Tugger Systems
- Man-Aboard Battery Bull Systems (single to multi level)
- Automated Systems
- Rollerbeds
- Ventilation Systems
- Crane Systems
- Park and Charge Stands
- Battery Room Accessories

And much more...



The EnerSys® Battery Recycling program accepts lead acid batteries of all sizes, from all manufacturers. We make compliance easy – instead of worrying about complicated state and federal regulations, you can focus on running your business.

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