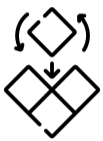


Tanktwo Smartpak for ready-to-go and on-the-go industrial equipment

Electrification delivers high long-term ROI for equipment manufacturers and their customers, but you need to get over the hump of building custom battery pack – a costly, labor-intensive, and time-consuming project.

Tanktwo Smartpak is a data-driven software-defined battery solution that helps industrial equipment manufacturers lower R&D costs, speed up product development, and minimize supply chain challenges.



CONFIGURABILITY + INTEGRATION

Thanks to its modular design, you can configure the Smartpak to fit (or retrofit) virtually any large industrial equipment without changing the existing design. Blocks are connected without any internal wiring for easy and fast integration to further lower development costs.



FLEXIBILITY + AGILITY

Manufacturers can adjust battery behaviors and parameters with a few clicks on the screen to use one battery solution for (almost) all devices to simplify logistics. Also, Smartpak can use cells of different chemistries to minimize the risks of supply chain fluctuations.



RELIABILITY + EFFICIENCY

Tanktwo's predictive analytics capabilities provide real-time insights and visibility so equipment providers can schedule just-in-time visits to prevent unplanned downtime, maintain top performance, and optimize resource usage – without the inefficiency of just-in-case maintenance.



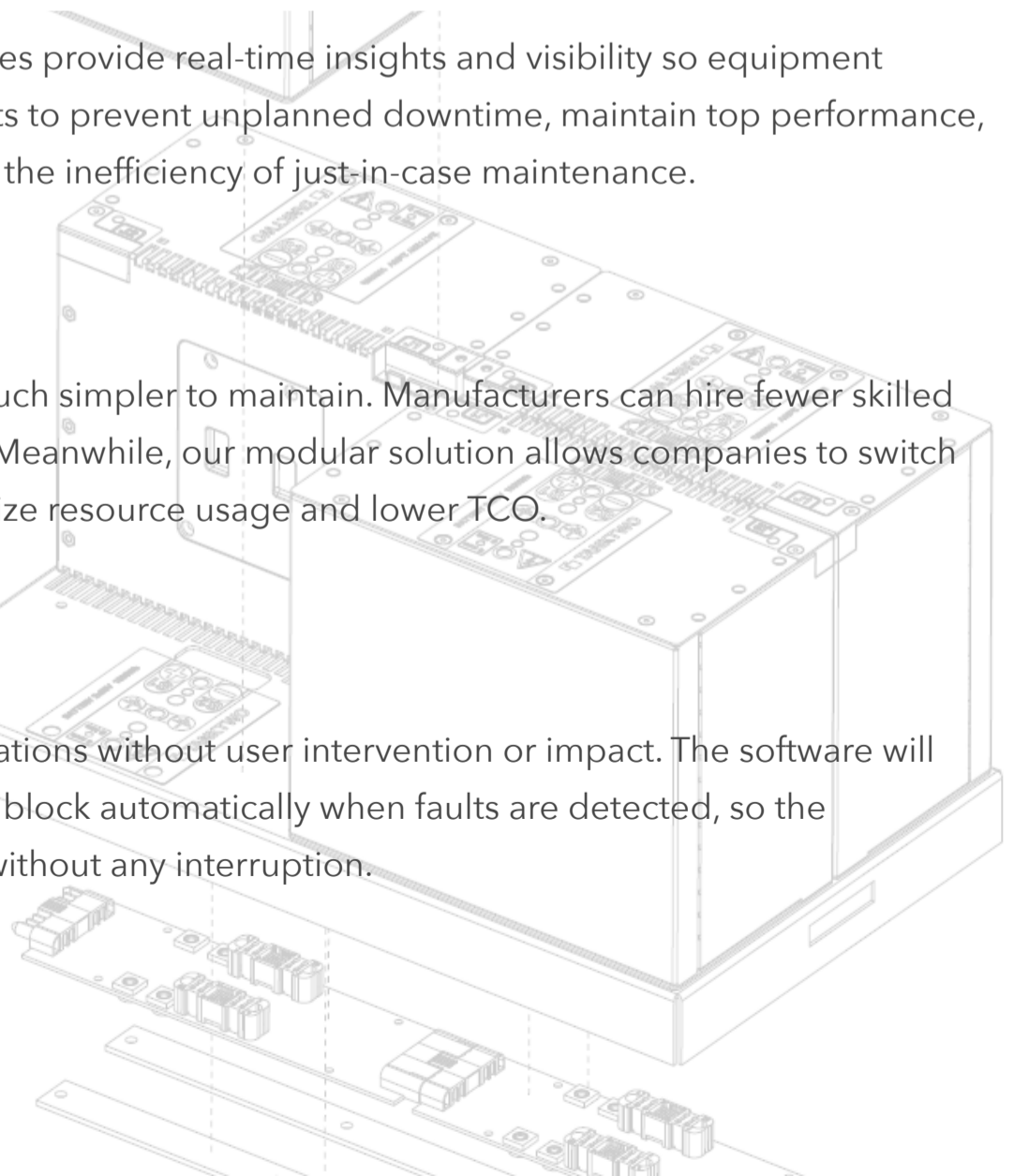
SERVICEABILITY + PROFITABILITY

Unlike ICEs, electrified equipment is much simpler to maintain. Manufacturers can hire fewer skilled technicians to service their customers. Meanwhile, our modular solution allows companies to switch out only non-functioning cells to optimize resource usage and lower TCO.

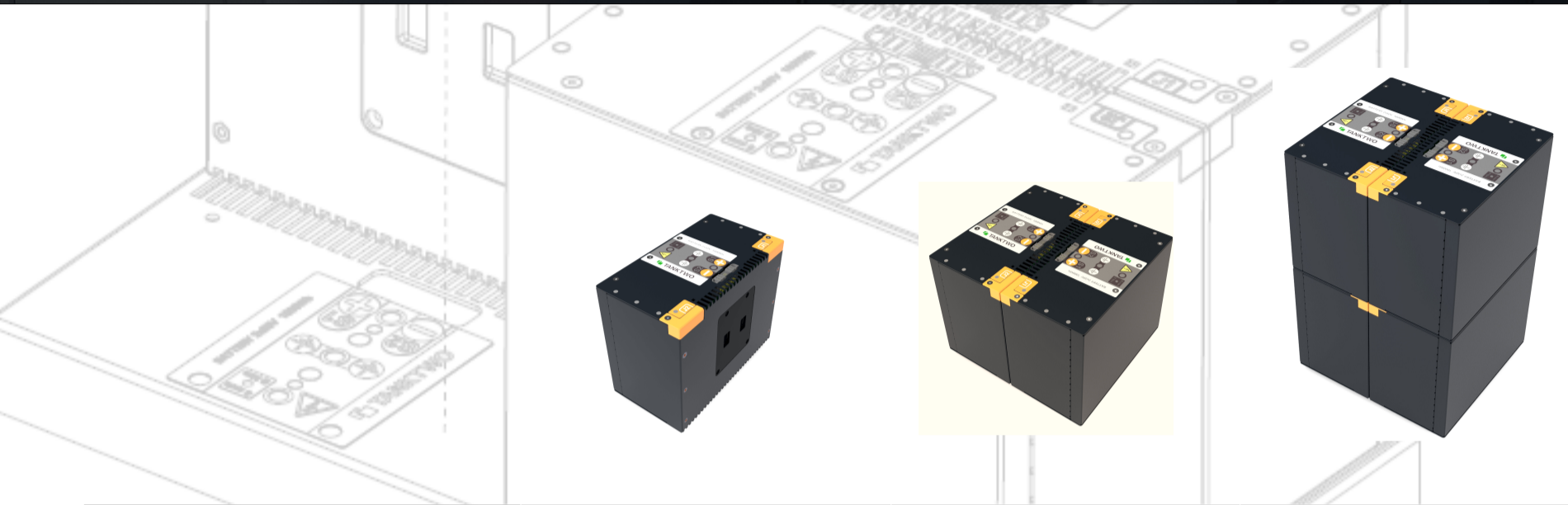


SAFETY + OPERATIONAL CONTINUITY

The smart cells can manage failure situations without user intervention or impact. The software will shut down individual cell(s) or isolate a block automatically when faults are detected, so the equipment can keep operating safely without any interruption.



TANKTWO SMARTPAK CONFIGURATION EXAMPLES



Configuration	1S	2P	2S2P
Nominal Voltage	Configurable 4V - 100 V	Configurable 4-110V	Configurable 4-220V
Regulated Output Voltage Range	Nominal voltage $\pm 2.1V$	Nominal voltage $\pm 2.1V$	Nominal voltage $\pm 2.1V$
Number of Modules	1	2	4
Capacity (Typ.)	1.5 kWh	3 kWh	6 kWh
Dimensions (H/W/D)	248x230x170 mm	248x230x340 mm*	496x230x340 mm
Weight	12kg	24 kg	48 kg
Max Continuous Discharge Current	5 A	10A	10A
Typical Discharge Cutoff Voltage	Nominal voltage $\pm 1.6V$	Nominal voltage $\pm 1.6V$	Nominal voltage $\pm 1.6V$
Recommended Charge Voltage**	> 100 V	> 100V	> 200V
Cell Type	Supports multiple chemistries	Supports multiple chemistries	Supports multiple chemistries
Interval for Storing Battery Data	Configurable	Configurable	Configurable
Cloud Storage for Cell dData	Yes	Yes	Yes

*Blocks can be connected in various ways to meet a application's dimensional requirements.

**Any voltage over 4 V can be used for charging to minimize the charging time.

