



Smarter Battery Room Management

Improve Productivity. Reduce Costs. Extend Battery Life.

Empower Your Operations with Real-Time Intelligence

Managing electric forklift batteries shouldn't slow your operation. Yet arbitrary battery selection, inconsistent rotation, and limited visibility often lead to downtime, wasted assets, and premature battery failures.

iBOS® (Intelligent Battery Operating System) transforms the battery room into a controlled, data-driven environment—providing real-time visibility and automation that helps operations teams stop reacting and start optimizing.



What iBOS® Delivers

Boost Productivity

Eliminate guesswork and manual battery selection. iBOS ensures operators always choose the right battery at the right time—keeping trucks moving and shipments on schedule.

Reduce Costs

Gain visibility into under-used, surplus, or mismanaged batteries. Standardize best practices across shifts and sites to avoid unnecessary battery and charger purchases.

Extend Battery Life

Equal rotation, cooldown enforcement, and usage tracking reduce avoidable damage—maximizing battery lifespan and return on investment.



Core Platform Components

iBOS® Core Intelligence

Track and control every battery in real time. An intelligent system of controllers, sentinels, shouters, and pick-lights captures charge cycles, cooldowns, and operator interactions—directing proper battery selection and preventing mispicks.



iBOS® Operations Dashboard

Eliminate guesswork and reduce errors at the source with the iBOS Operations Dashboard mounted directly in the battery room. Live guidance, performance metrics, and compliance alerts boost accountability, keeping operations safe and efficient.

iBOS® Data Services

iBOSWorld delivers cloud-based reporting and analytics, turning operational data into actionable insight. Managers gain visibility into battery availability, utilization, mispicks, connect voltage, cooldown times, runtime, and charger performance.



Proven Performance

691

Battery Rooms
Managed

112,700+

Batteries
Managed

59,100+

Chargers
Tracked

25+

Years of
Experience

Key Features & Benefits

Easy-to-Use Interface

Pick-lights and audible alarms clearly guide operators and dramatically reduce mispicks.

Scales to Any Battery Room

From small operations to complex facilities, iBOS supports up to 350 chargers across multiple battery pools without increasing operational complexity.

Optimized Battery Management

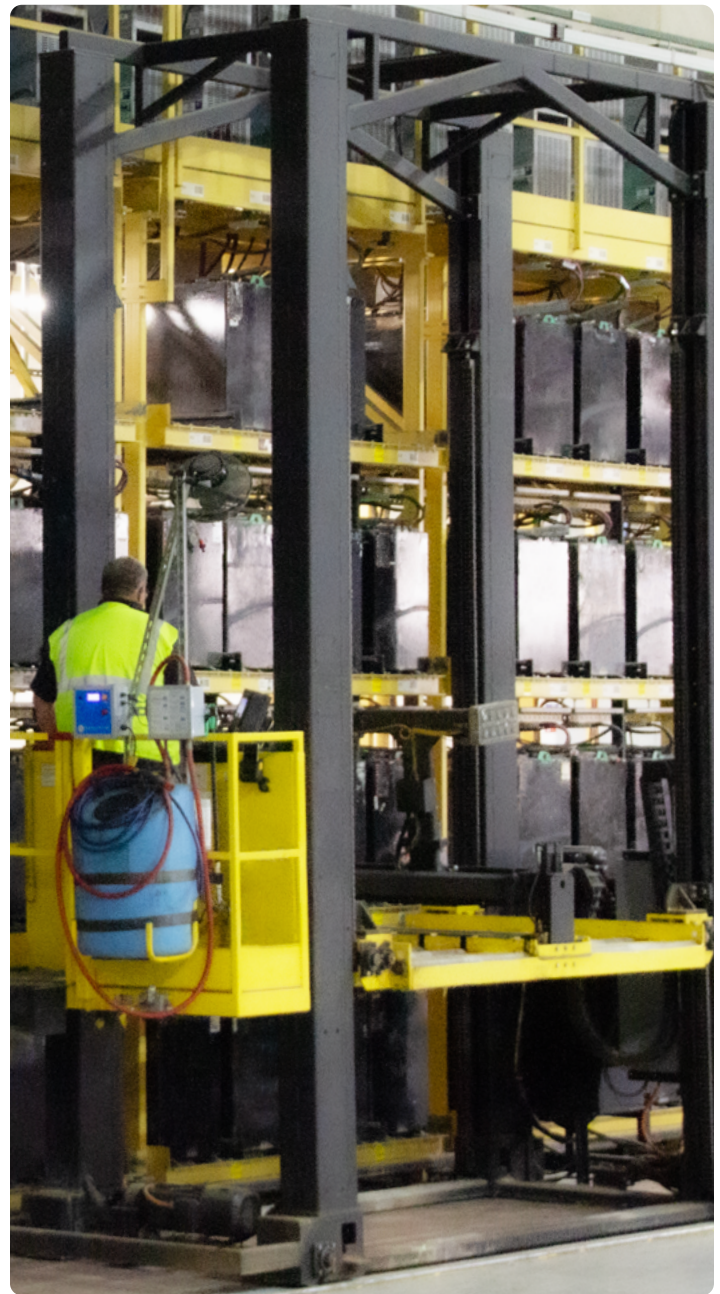
Reduce battery change time by 2–5 minutes per swap and increase run time by approximately 30 minutes.

Robust Reporting & Analytics

Access detailed reports on battery availability, mispicks, charger utilization, connect voltage, cooldown, and charge times through intuitive dashboards.

Optimize Charger Architecture

Charger-Splitters can reduce charger count by up to 50%, repurpose electrical capacity, and potentially save tens of thousands in capital expense.



What Customers Are Saying

"iBOS gave us visibility we didn't know we were missing. We streamlined operations and eliminated waste in just a few weeks."

- Operations Manager, National Grocer

"iBOS prevented me from buying \$72,000 worth of batteries because it showed that I already had enough to run my facility."

- Maintenance Manager, U.S. Clothing Retailer

Ready to Optimize Your Battery Room?

Whether you operate a single facility or manage multiple sites, iBOS can be configured to fit your operation and help you evaluate potential savings in batteries, chargers, labor, and downtime.

See iBOS in Action

Schedule a demo at phlsci.com/ibos or call us at [215-616-0390](tel:215-616-0390) to understand what smarter battery room management can do for your operation.

