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## INSIDE THE BHS BATTERY ROOM

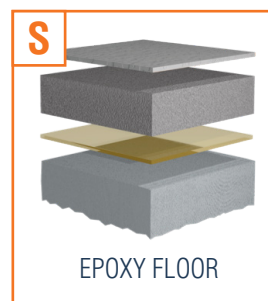
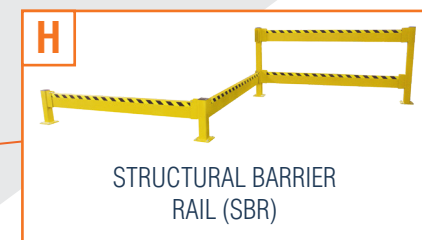
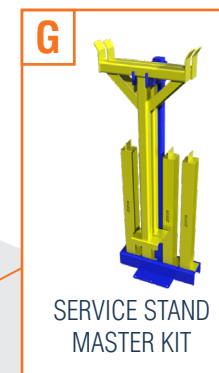
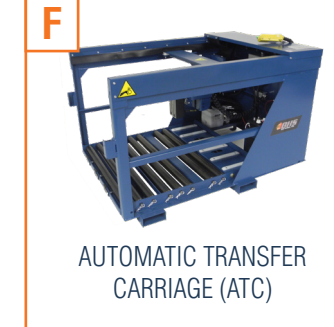
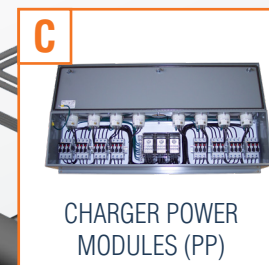
# *Operator Aboard Battery Extractor Systems*



BHS provides the total solution for every battery room. We deliver dependable, flexible, and affordable equipment and accessories to customers around the globe. BHS offers the most comprehensive line of products and services to meet all of your battery handling, storage, maintenance, and safety needs.

**SEISMIC ZONE 4 RATED**







- A. WASTEWATER RECYCLING UNIT (WRS)** removes contaminants from wastewater produced by washing industrial batteries. The WRS is specifically designed for use with BHS Battery Wash Equipment.
- B. BATTERY WASH CABINET (BWC)** is constructed with stainless steel for durability. Available in 3 models, each offer adjustable wash options and water nozzles providing efficient cleaning for various battery types.
- C. CHARGER POWER MODULE (PP)** is designed to simplify the battery charger installation process. The PP can be wired directly from the main power distribution panel through a single 3 phase, 480 V connection, then the charger is easily connected to the PP via twist lock plugs.
- D. BATTERY ROOM VENTILATION SYSTEM (BRVS)** is designed to detect hydrogen gas at low levels and dissipate the gas to prevent accumulation, thus preventing a dangerous environment in and around the battery room.
- E. ELECTRICAL DISTRIBUTION SYSTEM (EDS)** provides flexible power distribution to all components in an Operator Aboard Battery Extractor System. The EDS is a mounted, high-density system that is customized using track busway tapped at any location with a simple turn-n-lock connection.
- F. AUTOMATIC TRANSFER CARRIAGE (ATC)** is available in four models with many flexible options to satisfy unique battery handling requirements and recommended as a back-up to all Operator Aboard Battery Extractor Systems.
- G. SERVICE STAND MASTER KIT** is shipped with every BHS Battery Extractor and is used to make maintenance and repairs safer and easier by securing the inner frame of the Battery Extractor in the elevated position.
- H. STRUCTURAL BARRIER RAIL (SBR)** is a heavy duty guard rail system which protects personnel, battery handling equipment, and racking against injury or damage.
- I. DRIP PAN KIT (DP-SS)** slides into BHS Battery Stands to contain spills, maintaining a safer environment for your battery room.
- ACIDSORB PILLOWS (ASP)** are placed in the Drip Pans to absorb and neutralize acidic drips and boil-over from lead acid batteries.
- J. BATTERY STANDS (BS)** are constructed with heavy duty steel and are available in various models. For durability and spark-proof protection, Battery Stands come standard with foot pads and poly-coated rollers. (Shown with Catwalk option)
- K. GANTRY CRANE (PGC)** is available in 2-Ton and 3-Ton models, with special capacities and dimensions, and provides safe and easy vertical extraction for most forklift truck batteries.
- L. RECIRCULATION / NEUTRALIZATION SYSTEM (RNS)** controls, filters and recirculates water used for cleaning industrial batteries. The RNS comes standard with a spray wand including 10 foot hose and a 12 V dc sump pump with float switch.
- M. BATTERY EMERGENCY STATION (BES-1)** includes the Battery Emergency Stand (BES) complete with the following BHS accessories: Portable Eye Wash, Protective Kit, and Spill Kit Cabinet.
- N. SAFETY SCANNER (SICK)** is a compact system which scans the area in front of and behind the BE to identify objects or pedestrians in its detection zone and stops movement of the BE upon detection.
- O. FLEET TRACKER (FLT-IIoT)** is a leading cloud-based industrial forklift battery fleet management system utilized by corporate managers, battery room supervisors, and Operator Aboard Battery Extractor operators. Fleet Tracker uses the latest Industrial Internet of Things (IIoT) technology to improve efficiency in an organization's battery room.
- P. INTELLIGENT BATTERY ORGANIZING SYSTEM (iBOS)** ensures proper battery rotation. The iBOS monitors all batteries in a pool and eliminates operator judgment in battery selection by determining which battery has had the longest cooling time since charging.
- Q. OPERATOR ABOARD BATTERY EXTRACTOR (BE)** all units have features that make them the most versatile, reliable, and cost-effective options for Industry 4.0 applications. BHS battery changers reduce change-out times substantially, ensuring a more productive facility. Operators access Industrial IIoT software through a touchscreen HMI on the control dashboard.
- R. SPILL KITS (SK)** are fast acting, easy-to-use, and compact. Spill Kits safely contain, absorb and neutralize hazardous acid spills and are available in four sizes.
- S. EPOXY FLOORING** is a four step process involving substrate preparation, primer installation, mortar installation, and two final topcoats.
- T. SHOWER EYE WASH (SEW)** utilizes a shower valve of 1" IPS chrome plated brass with a stay open ball valve, actuating arm and pull rod. The eye wash unit has a self-regulating flow control with gentle spray, float off dust cover and filter.
- U. SIGNAGE & POSTING KIT (SP)** utilize International Standard (ISO) safety symbols to promote a safe and productive battery room.

## OPERATOR ABOARD BATTERY EXTRACTOR CORE SYSTEM ELEMENTS

- Operator Aboard Battery Extractor
- Battery Stands and Drip Pans
- Service Stand Master Kit
- Energy Rail
- Guide Track and End Stops
- Truck Guide Rail

