

Operating a Closed Container Pool, Multi- Chemistry, Battery Collection System

The Battery Rescue Story

Presenter: David Bush





- Designs and Develops Industrial Products
- A focus on the Battery Recycling Industry
- Products include the
 - Battery Transport & Storage (BTS) Container
 - Used Lithium Battery (ULIB) Box
 - Battery Lifter
 - Wash Bay & water treatment system.



BTS Container



ULiB Box



Wash Bay with Water Treatment System



Battery Lifter



-
- Battery Rescue, is the sister company of UNISEG Products
 - Commenced in 2015
 - Demonstration of 'Closed-loop Battery Collection System, using the BTS Container
 - Services Perth Metro and Regional WA
 - Now over 450 Containers / Boxes deployed
 - 2025 Established our own yard



Collapsed and Stacked BTS Containers ready for Deployment



Full BTS Containers at BHP Mine Site Ready for Return





Battery Rescue HQ Pre 2025





In 2025 We Established Our Own Premises



Warehouse with empty, washed BTS Containers ready for redeployment



Warehouse showing Battery Lifter (Yellow Crane)



In 2025 We Established Our Own Premises



Washbay with Water Treatment System

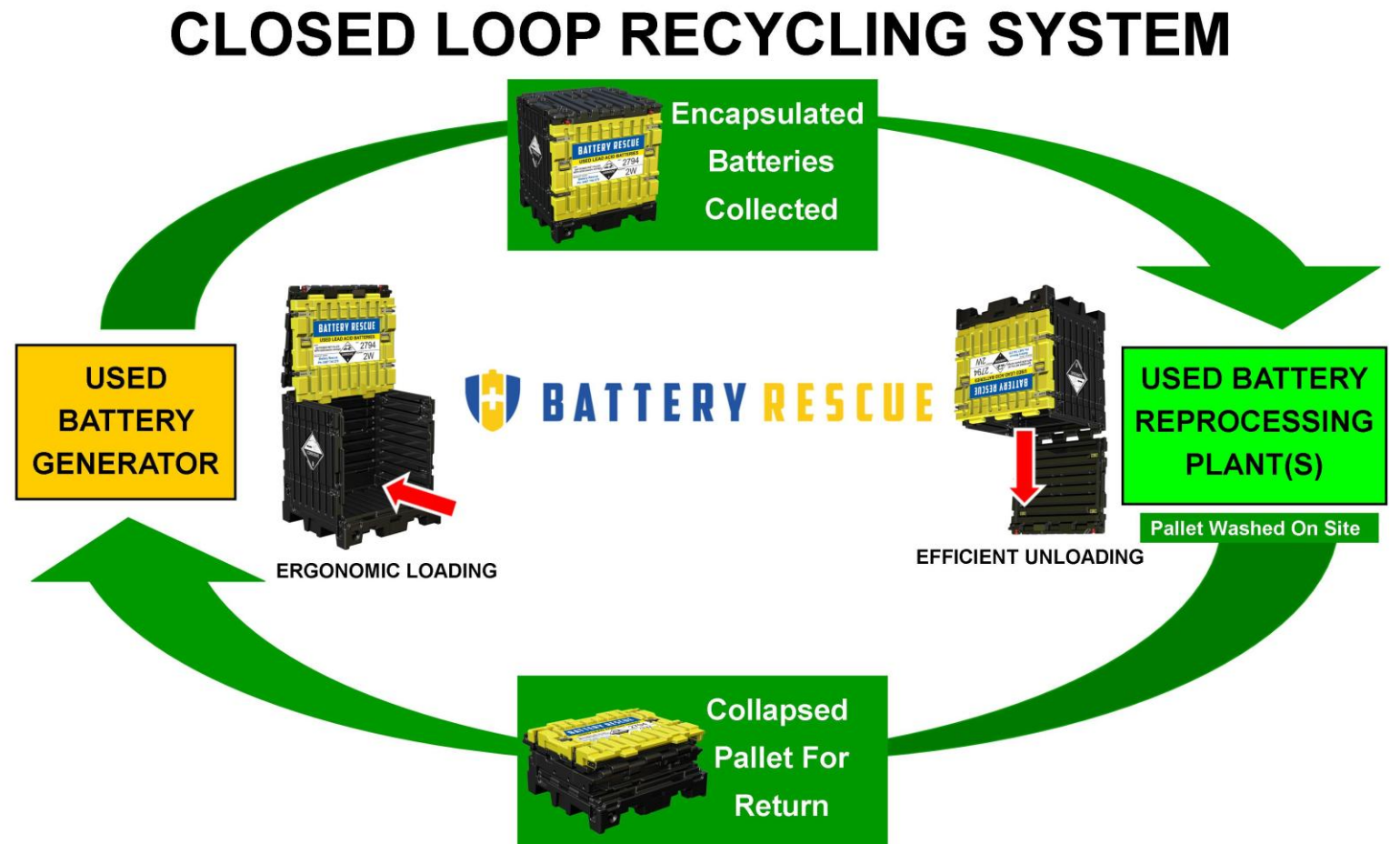


Rear Yard Showing Steel Bins for Lithium Battery Storage & Stacked Full BTS Containers



The Battery Rescue System

- BTS Containers supplied to Used Battery Generators
- Empty exchange BTS delivered at the same time as full BTS is collected
- Full BTS Containers are delivered to recycler for auto-unloading
- Empty BTS' are washed before being redeployed



The system was designed to eliminate any manual handling of batteries from the used battery generator to the recycler

The System Delivers

- **Ease & Convenience**
- **Safety**
- **Reduced Environmental Impact**
- **Regulation Compliance**
- **Reduced Legal & Insurance Risks**



Expanding into Lithium Batteries

The Challenges

- Wide range of different sizes
- Increased fire risks
- Different chemistries & risk profiles
- Very complex transport regulations
- Existing solutions very expensive
- Had to be practical & easy to follow



Expanding into Lithium Batteries

The Solution

- Space Case with 2 Snap-Flat latches
- 4 Feet installed for forklift access
- IoT Device for tracking
- Fitted with one way vent
- DG Labels downloaded from our website
- Supplied with Fire Suppressant Granules
- UN Certification for 60kg of Li Batteries



Used Lithium Battery (ULiB) Box with Fire Suppressant Granules



- Commenced Tooling on Rota-Moulded - Mark 2 BTS Container
- Available in 8 – 10 Months
- New features include;
 - Forklift Tyne Bars for auto-unloading
 - Improved Stack Ratio when collapsed
 - Robust design to reduce forklift damage
 - Specific location for IOT Devices & sensors
 - Drain plug for 25L Bunded Base
 - 20% lighter & 40% cheaper



BTS Mark 2 – Front Load Configuration



BTS Mark 2 – Closed, Ready for Transport



BTS Mark 2 - Collapsed



Questions?



**Mark 2 Available June 2026
or
Licensing or JV options**

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