Saft’s rail battery systems

The easily integrated flexible railway battery

Saft’s service simplifies battery integration to the train by taking overall responsibility for the design, manufacture and supply of the entire battery power system supplied complete and ready to fit – including rafts, trays, access mechanisms, water filling systems, isolators, fuses, connectors and battery management control (BMC) systems. With over 20,000 rail battery systems installed worldwide, Saft has consolidated this experience into nine standard pre-designed systems for mounting either on the vehicle roof or under the floor. By combining its advanced rail batteries with custom-made rafts, Saft can reduce the weight and volume of the total assembly, improving energy efficiency and offering more space for passengers.

Saft battery systems – the first choice for railway applications

Saft provides:

- experience in rail system management and is the choice of every major OEM
- a single integrated source responsible for the whole battery system function
- a dedicated project team whose program management includes design, manufacture, qualification, documentation and logistics
- qualified battery systems meeting all relevant international safety and operation standards

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**Electrical**
- Electrical interface
- Charger/ converter
- Fuses, switches...

**Energy**
- Ni-Cd battery
- Integrated water filling system
- Temperature sensor

**Mechanical**
- Tray easily integrated into the train
- Moving tray for simple access
- Compatible with train environment
Saft’s railway battery systems

9 standard designs in 3 concepts and in 3 fixing mechanisms

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<tr>
<th></th>
<th>Light</th>
<th>Side</th>
<th>Across</th>
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<tbody>
<tr>
<td>Mounting</td>
<td><img src="#" alt="Mounting on the roof or under the car body" /></td>
<td><img src="#" alt="In own enclosure, fixed to equipment frame" /></td>
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<tr>
<td></td>
<td>In existing enclosure</td>
<td>In own enclosure, fixed to equipment frame</td>
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<tr>
<td>Fix</td>
<td><img src="#" alt="Assembly bolted on the roof or under the car body" /></td>
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<td>Roll</td>
<td><img src="#" alt="With rollers for accessing the tray on folding arms" /></td>
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<td>With rollers for accessing the tray on folding arms</td>
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<td>Slide</td>
<td><img src="#" alt="With slides for accessing the tray on telescopic arms" /></td>
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Your battery is built to dimensions that exactly meet your specifications.