

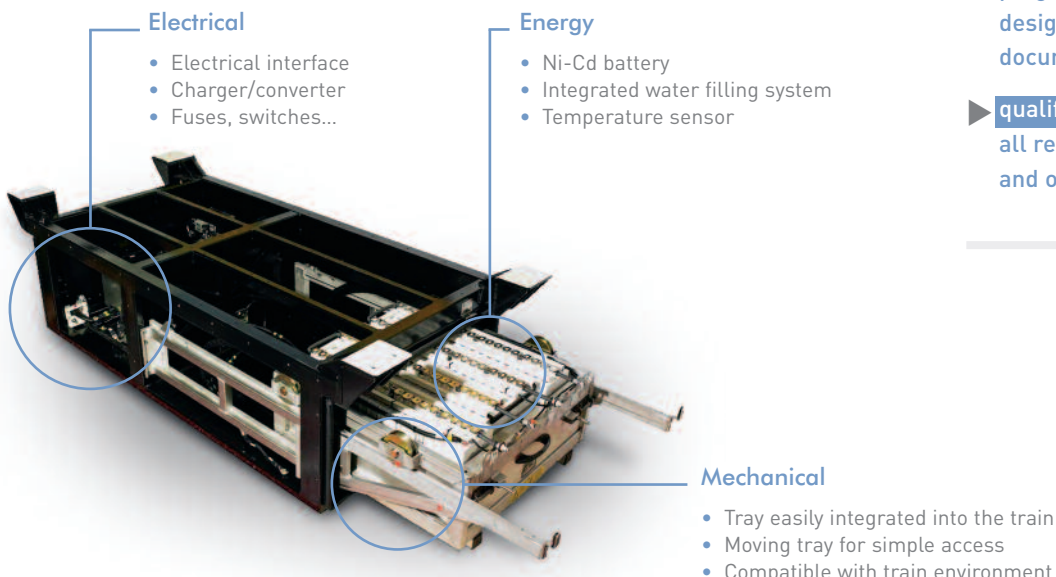
# Saft's rail battery systems



## 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 ins-

talled 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:


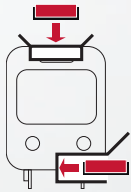

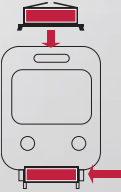
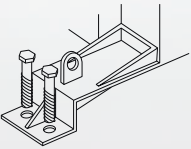
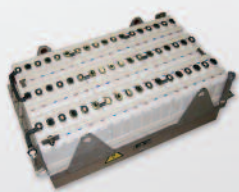


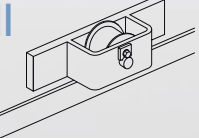


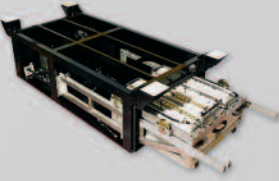
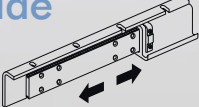



- ▶ **experience** in rail system management and is the choice of every major OEM
- ▶ **a single integrated source** responsible for the whole battery system function
- ▶ **a dedicated project team** whose program management includes design, manufacture, qualification, documentation and logistics
- ▶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



**SAFT**

# Saft's railway battery systems

9 standard designs in 3 concepts and in 3 fixing mechanisms

	Light	Side	Across
<p>Mounting on the roof or under the car body</p> 	<p>In existing enclosure</p> 	<p>In own enclosure, fixed to equipment frame</p> 	<p>In own enclosure, fixed to equipment frame</p> 
<p><b>Fix</b></p>  <p>Assembly bolted on the roof or under the car body</p>			
<p><b>Roll</b></p>  <p>With rollers for accessing the tray on folding arms</p>			
<p><b>Slide</b></p>  <p>With slides for accessing the tray on telescopic arms</p>			

► Your battery is built to dimensions that exactly meet your specifications.



**Saft**  
 12, rue Sadi Carnot  
 93170 Bagnole - France  
 Tel. : +33 1 49 93 19 18  
 Fax : +33 1 49 93 19 64  
[www.saftbatteries.com](http://www.saftbatteries.com)

Document N°21842-2-0712  
 Edition: july 2012  
 Data in this document is subject to change without notice and becomes contractual only after written confirmation.  
 Photo credits: Saft, Fotolia.  
 Attitudes design&communication – C248  
 Printed on FSC paper by GMK, an Imprim' Green member  
 © Saft – Société par Actions Simplifiée au capital de 31 944 000 €  
 RCS Bobigny B 383 703 873