



Railway Ni-Cd battery

Developing skills in operation & maintenance

Saft's suite of training programmes provides professional users with all the knowledge and skills needed to operate and maintain battery equipment and systems – including the safe installation.



▶ OBJECTIVES

- Extend the life and improve the availability of your battery equipment
- Enhance the security and performance of your applications
- Ensure that correct and precise operations are autonomously carried out
- Provide immediate return on training investment

▶ AUDIENCE & APPLICATIONS

- Saft's customers and partners
- Typical railway applications such as auxiliary back-up on board, all types of rolling stock

▶ BENEFITS

MASTER	<ul style="list-style-type: none"> • Effective and efficient programmes provided by Saft's training professionals who are battery and application experts • Complete program to maximize your operational battery performance in complete safety
PRACTICE	<ul style="list-style-type: none"> • Training covers both theory and practice • Hands-on practical training on real-life equipment to instill the essential confidence required by all operators
SHARE	<ul style="list-style-type: none"> • High level of student interaction and participation ensures the program's effectiveness and relevance • Exchange with experts and counterparts to keep up to date with industry trends and developments

▶ QUALIFICATION

- Training concludes through an "attendance certificate" following a final assessment that reflects the progress made by the participants.

▶ PLACE

- Sessions from 4 to 10 people:
 - At a customers' own location
 - At Saft sites: Bordeaux* (France), Valdosta (USA), Bangalore (India) and Zuhai (China)

▶ LANGUAGES

- English and local languages on demand

▶ DATES & PRICES

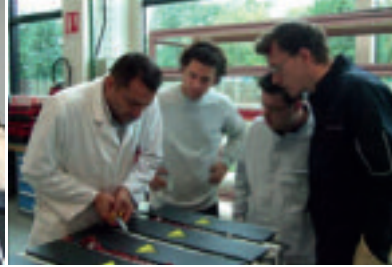
- For more information on schedule and prices, you can contact your local Saft representative and download the registration form on our website:
<http://www.saftbatteries.com> (section Solutions/Support & services)

Professional profiles

- ENGINEERING
- INSTALLATION
- OPERATION
- MAINTENANCE

* Saft SAS France is officially registered as a training organization under the number 72930871133.





COURSE TOPICS

Basic training course Battery fundamentals

1 day training package

Code: FD – RAIL – Ni-Cd

To learn the fundamentals
of railway Ni-Cd batteries

Day 1 Ni-Cd battery fundamentals

- Ni-Cd battery fundamentals & technology
- Battery electrical characteristics
- Charge and discharge modes
- Safety rules
- Schedule & description of maintenance stages
- Trouble shooting
- Battery components & accessories

Advanced training course Operation & maintenance

2 day training package

Code: OM – RAIL – Ni-Cd

To learn how to operate and maintain
railway battery systems (e.g. in raft)

Day 1 Ni-Cd battery fundamentals

Day 2 Operation and maintenance

- Battery architecture and description
- Battery capacity & service testing ("Open-circuit" voltage, capacity, insulation)
- Practical on the job training
- Conduct a charge & discharge at constant current
- Preventive and corrective maintenance
- Manufacturing process: factory tour

Customized training programmes

Saft also offers customized courses to support customer's specific training goals. Before conducting a specialized course, our training department will work with you to enhance our standard course content to maximize its relevance to your own equipment, operations and maintenance practices.



“ Meeting with the technical Saft experts gave me a better understanding of preventive maintenance and its technical impact on our battery performance. ”

System Engineer at a Transportation Engineering Division

SAFT TRAINING



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