



KLK WELD Railway Applications (EN)

Exothermic Welding Clinic – “Railway Applications”

Date: Tuesday, September 23, 2025

Time: 4:00 PM – 5:30 PM (Madrid Time)

Location: Online Teams (Meeting link attached)

Language: English

Price: Free of charge

Description: A specialized clinic on **exothermic (aluminothermic) welding applied to the railway sector**. Intended for distributors, technicians, and electricians in the European countries where KLK operates, this training is focused on refining techniques and procedures for railway electrical connections. It also provides key **preparation for obtaining KLK Weld Expert certification**, highlighting the added value of certified solutions for railway applications in European countries where KLKweld is present.

Objective of the Clinic: To provide technical knowledge and skills related to exothermic welding for the railway sector, focusing on high-resistance electrical connections and compliance with international standards.

Topics to Be Covered:

1. **Introduction to Exothermic Welding in the Railway Sector** ◦ Fundamental concepts of aluminothermic welding. ◦ The importance of welding in railway electrification and signaling.
2. **Specific Components and Materials** ◦ Use of molds and aluminothermic powders adapted to rails and tracks.
3. **ELPA and ELPA 12 procedures, InDuo AL(*)**: Innovations for cable-to-rail and cable-to-tube connections.
4. **Advanced Techniques and Regulations** ◦ KLK Weld procedures for railway welding. ◦ Controlled temperatures to protect rail steel. Applicable regulations and international technical requirements
5. **Bimetallic Joint Specialization** ◦ Welding techniques for aluminum-to-copper and aluminum-to-stainless steel. ◦ Mechanical, electrical, and corrosion-resistance advantages-
6. **KLK Weld Expert – Railway Certification** ◦ Specific requirements for railway sector approval ◦ Benefits and opportunities of certification.
7. **Q&A Session** ◦ Real-time resolution of questions with KLK specialists.

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