

TRIMET France

Renewables
Grid Initiative 

Resilient & Optimised Grids

Loop Aluminium For European Energy Security
Best Practice Webinar

Nicolas Archenault - 27 May 2026

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TRIMET France – A recognized player in the cable industry

Established in France since 2013, TRIMET is a family-owned company and a major player in the aluminum industry



Historic Presence

Since 1907 in Saint-Jean-de-Maurienne, with a strong local foothold at the heart of an industrial region



Human Resources

620 permanent employees contribute to our daily success



Annual Production Capacity

150 000 tonnes of low carbon aluminium based on primary electrolysis metal, including 90 000 tonnes of wire rod



One of Europe's leaders in aluminium wire rod

Specialized in wire rod production for 30 years



Strategic Partnerships

Long standing collaboration with major industry players (grid operators, cable makers...)



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Strategic challenges



Industrial Sovereignty

- Europe currently importing 33% of its needs in aluminium wire rod
- Aluminium classified as a critical metal under Critical Raw Materials Act



Energy Transition

- European grid operators are expecting significant investments by 2040



Decarbonization

- Reinforced environmental criterion in cables procurement :
- Carbon footprint
 - Recycled content

Technical Challenges to Address



Waste stream management



Composition control



Inclusion quality



Control of casting line productivity linked to the new process



Electrical and mechanical properties

Implementation of **effective traceability** and a **reliable supply** of secondary raw materials

Rigorous quality control of incoming scrap to ensure homogeneous composition and optimize the addition of primary electrolysis metal

Minimization of inclusions and optimization of filtration and treatment processes

Control of casting speed while taking into account melting capacities, internal liquid metal flow management, and casting/rolling conditions.

Maintaining the stability of the chemical composition to **guarantee target properties** (conductivity, tensile strength, etc.)

What's next?

Move from the prototype stage to industrial implementation

- **Leveraging collaborations** with key stakeholders, ie. grid operators, cable makers, recyclers...
- **Optimize our production capabilities** to increase the share of recycled-content products (volumes, recycling ratio) while ensuring consistent quality Leveraging
- Implementation of « Product to Product » loop requiring the **structuring of upstream supply chains** to prevent added value loss and material leakage



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Thank You

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