Euro Ti tan

STRENGTHEN EUROPE: SUSTAINABLE TITANIUM, INDEPENDENT FUTURE

Decarbonized Titanium Recovery from Production Residues

HORIZON EUROPE PROJECT: 101135077

Funded by the European Union

15% LOWER TITANIUM COSTS

5M € BUDGET

18 PROJECT PARTNERS

48 MTHS DURATION

TURNING WASTE INTO VALUABLE RESOURCES

The project focuses on upscaling eco-friendly methods for extracting and recycling titanium in Europe, aiming to promote sustainability and circularity in the industries.

90% REDUCTON IN CARBON EMISSIONS

20% REDUCTION IN ENERGY AND WATER USAGE

By using mining and processing waste, such as bauxite residue and white pigment production residues, titanium will be recovered as metal powder.

VALUABLE BY-PRODUCTS
Metallic iron
Construction materials
Geopolymers

By employing green hydrogen – produced through wind-powered electrolysis – and electric furnaces, significant decarbonization will be achieved.

Integrating real-time anomaly detection, in-line chemical monitoring of products, and machine learning techniques ensures process performance optimization.

CONTACT US

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Video

SCAN ME

LinkedIn

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