

# TRIM InTerconnected ElectRiC Breaker HaMmer

by

**LEKATECH**


This project co-creates, develops and pilots an Interconnected Electric Breaker Hammer (IEBH) demonstrator that is based on Lekatech's Electric Hammer enhanced with Vemcon's unique machine control solution, for usage in underground mines. IEBH provides a relief to all the limitations of HBH technology. It reduces CO2 emissions up to 100%, saves energy up to 60%, ends oil spills and excessive consumption of hydraulic oil, is fully adjustable, increases safety through automated support, lowers noise and tremor levels, provides significant life-cycle-cost savings (80000 EUR/hammer in 4 years), increases performance and precision, allows adjusting striking sequence, and provides synchronized hammering possibilities.

## Vertical sector addressed

- Mining ICT

## Challenges tackled by SMEs

- Environmental footprint
- Towards the digital world
- New innovation technologies

## Key actions addressed

- KA 2
- KA 5

*MINE-Demo scheme*

