

Collaboration

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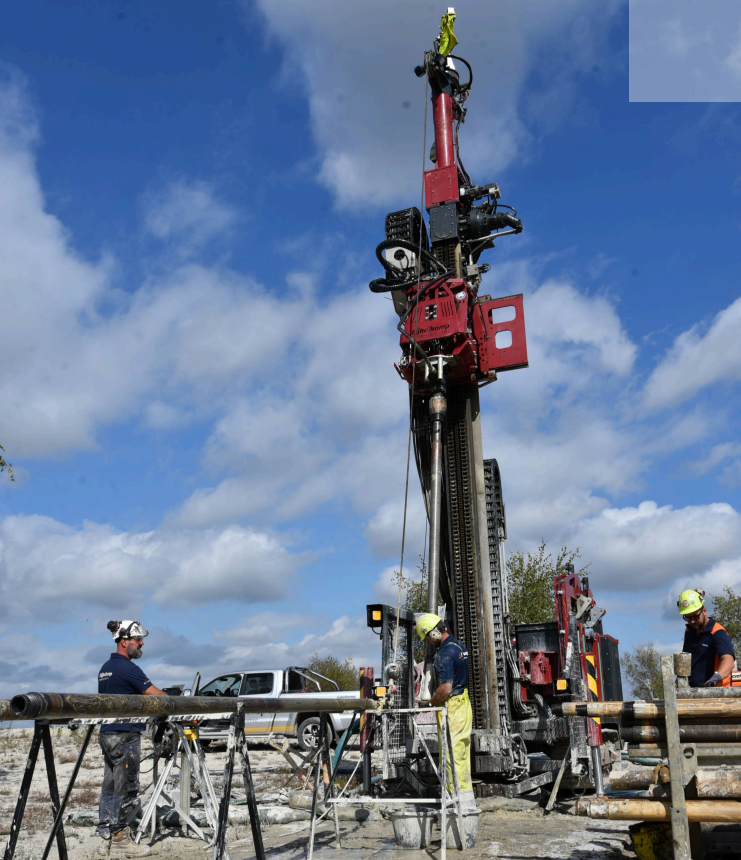
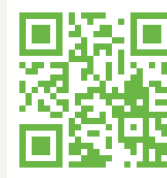


- Partnership of leading experts in the mining industry



Find out more

solsa-dem-up.eu/en



Contact Us

- Inel Innov and the Modulab:
henry.pilliere@inelinnov.com



- Eijkelkamp and sonic drilling:
g.hamu@eijkelkamp.com



Sonic On-Line Sampling & Analysis - SOLSA -

is a cutting-edge solution combining sonic drilling with an automated mobile laboratory (Modulab) for sample analyses.

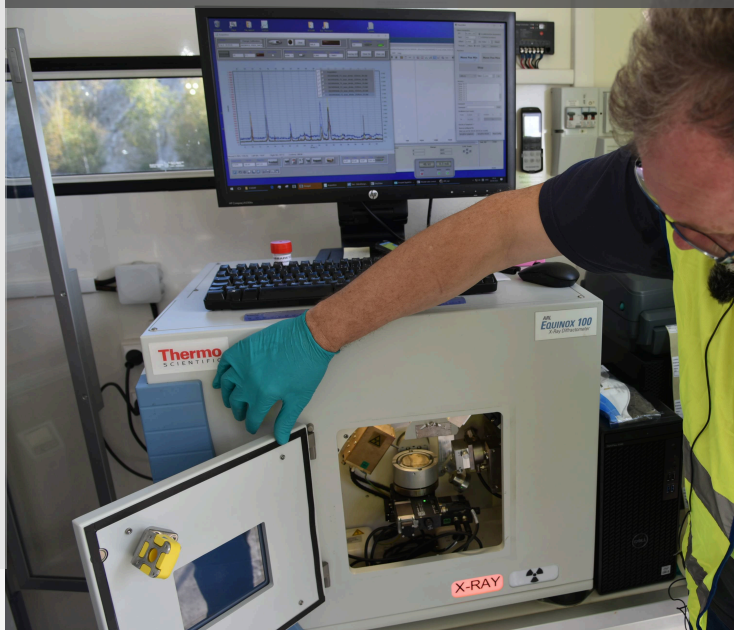
Whether used together or independently, SOLSA offers unparalleled speed, accuracy, and efficiency in mineralogical assessment, on site, online and in real time.

Meet SOLSA

- **Stand-alone sonic drilling module**
Rapid, precise and high-quality sample drilling with minimal environmental impact.
- **A mobile analytical laboratory (Modulab) comprising**
 - i) Core scanner:** the first-ever combination of non-destructive profilometric, RGB, X-ray fluorescence, and hyperspectral measurements for comprehensive continuous core analysis.
 - ii) Benchtop analyser:** discrete analyses (combined XRD-XRF) for chemical and mineralogical quantification).
- **Data integration**
Merges data from all sensors into a high-resolution mega-file, providing structured, reliable, compatible and ready-to-process information.
- **Real-time, on-site analysis** Offers on-site, real-time characterization of uncut drill cores and loose material.



Virtual tour
of the
Modulab



Benefits

- **Cost and time effective:** reduced operational costs by streamlining the mineral -analysis process with rapid results and decision-making capacity.
- **Enhanced knowledge:** better understanding of ore properties, leading to efficient management and optimization of mining operations.
- **Reduced environmental impact:** better recovery of samples, lower consumption of electricity and water, less waste, etc.
- **Comprehensive database development:** site-specific mineralogical databases for targeted mining strategies.
- **Versatility:** adaptable to various mining environments and geological settings, ensuring broad applicability.
- **Proven in-field operations:** Demonstrated effectiveness in real-world mining scenarios.