



How could we identify and remove the uncrushables before the ore reaches the beginning of the crushing circuit without requiring the circuit to be stopped?

Challenge organisation

SITECH is a **company of the Ferreycorp group**. We specialize in the integration of technologies to create solutions that extract data from our clients' operations and convert it into valuable information for decision-making in safety and productivity.

Full description

How could we identify and remove the uncrushables before the ore reaches the beginning of the crushing circuit without requiring the circuit to be stopped and thus eliminate the costs of stoppages?

The presence of unbreakable elements (metallic and non-metallic) causes damage to the conveyor belts, blockages, and consequently production losses due to multiple intermittent stops.

Metal unbreakable cables correspond to: drilling holes, corrugated iron, anchor bolt, split set, backhoe excavator nails, loader and scooptram.

Non-metallic unbreakable cables correspond to: aluminum barrows, pressure hoses, wood.

These unstoppable ones cause blockages and rupture of belts, stopping the production process, causing high costs due to production stoppages.

A limitation is that nothing can be placed inside the crusher to detect it, you cannot intervene with equipment within the process (make mechanical modifications to solve it).

What we are looking for

We are looking for a partner with the capacity to implement and co-design technological solutions in Latin America and with the potential to expand to other markets and who have been in operation for at least 24 months.

We are interested in business solutions more than pure technologies, in a state of maturity of TRL 7 or higher. However, we are open to very innovative solutions with a lower level of maturity.

We are looking for long-term business partners to continue co-building solutions and jointly solve customer requirements with new business models.

What we offer

Enter the Latin American mining market, through new business models. We seek to formalize a strategic alliance for scaling, with the option of representation and/or investment in the co-created/co-designed solution. We are part of the Ferreycorp Group, with 100 years in Latin America.

Other

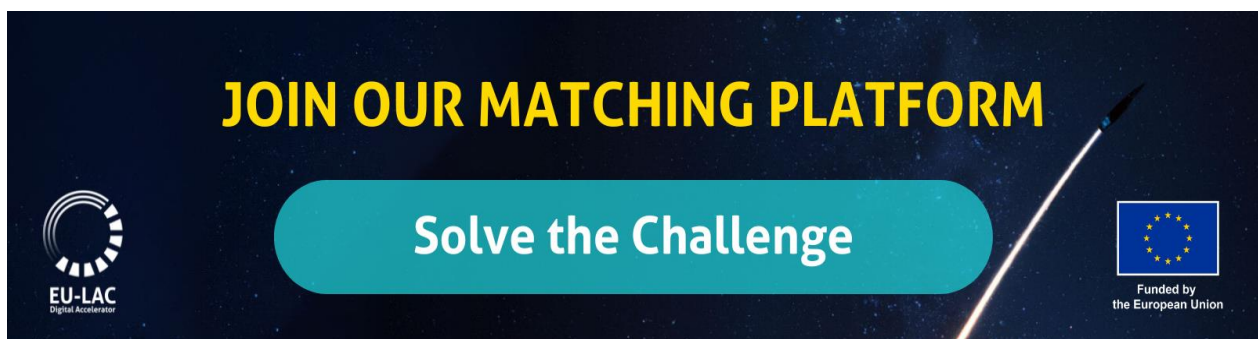
Opportunity area	Smart production
Looking for partners in	Europe; Caribbean
Specific Areas	Mining
Technologies	Big Data Analytics; IoT; Modelling & Digital Twin; Artificial Intelligence; Machine Learning

This is a challenge identified by the EU-LAC Digital Accelerator team in the frame of the Call for Challenges. The mission is to connect challenges from corporates with solutions from startups to boost digital transformation in Europe, Latin America and the Caribbean. If you are interested to learn more about us, visit our [website](#).

If you are a startup with a digital solution willing to explore collaboration opportunities with this corporate, [join our matching platform](#) and let the open innovation game start!

If you are called by this challenge but have questions, do not hesitate to [contact us](#).

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A banner with a dark blue space background featuring a rocket trail. The text "JOIN OUR MATCHING PLATFORM" is in large yellow letters. Below it, a teal button contains the text "Solve the Challenge" in white. The EU-LAC Digital Accelerator logo is on the bottom left, and the European Union flag with the text "Funded by the European Union" is on the bottom right.

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