



How could we enhance the management of critical assets in the mining processes of loading, hauling, crushing, grinding; to avoid high downtime costs?

### 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

The stoppage due to failure of any asset (truck, belt, crusher, mill, drill, etc.) causes a stoppage of the optimal operating flow, impacting the opportunity cost (stopping production) of the mining operation.

Having a mining operation that has high asset availability will ensure optimal production of the established goals.

Having a quick diagnosis of the status of the assets and a quick predictive recommendation of possible failures for real-time decision making would be ideal. Today we must extract, process, and analyze data to evaluate the decision-making process.

How could we enhance the management of critical assets in the mining processes of loading, hauling, crushing, grinding; identifying, anticipating and predicting failures to avoid high downtime costs?

### 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 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 innovative solutions with a lower level of maturity.

We seek 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

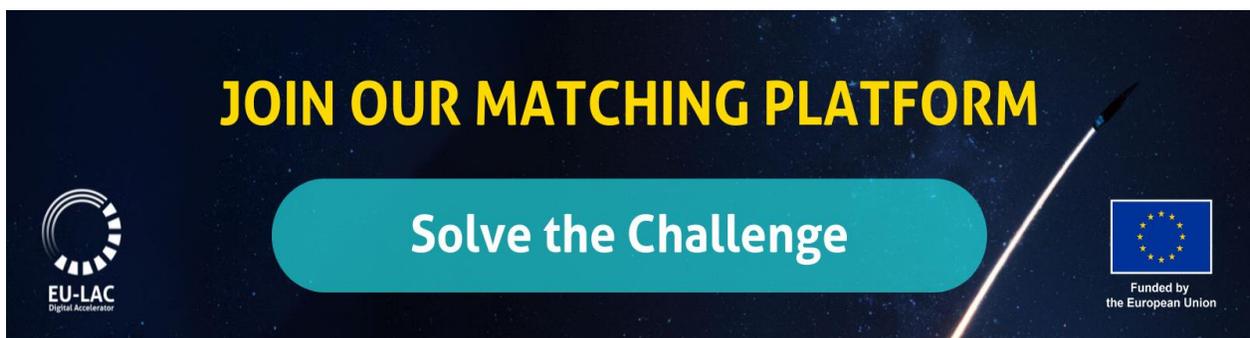
<b>Opportunity area</b>	Smart production
<b>Looking for partners in</b>	Europe; Caribbean
<b>Specific Areas</b>	Mining
<b>Technologies</b>	Big Data Analytics; IoT; Modelling & Digital Twin; Artificial Intelligence; Machine Learning

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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**Solve the Challenge**

EU-LAC Digital Accelerator

Funded by the European Union