Real-time traceability of our products for our customers

Challenge organisation

Arteche has over 75 years on experience in the power generation, transmission, and distribution sector, offering high technology solutions and equipment for high and medium voltage Measurement and Monitoring, a full range of solutions and equipment for the transmission and distribution, grid automation, Smart Grids, Renewable connection, Power Quality and Auxiliary Relays.

We have equipment operating in more than 175 countries, production plants in 13 countries, and 6 R&D centers. Our purpose, and the purpose of the over 2,500 people who make up our family, is to continue to respond to energy challenges with agility and responsibility, true to our commitment to people, society, and the planet. And always together.

Full description

The challenge is to trace the geolocation of our devices in the process of being sent to a client (Argentina-Brazil, ANA-USA, ANA-CANADA) and the possibility of providing our clients with the service of consulting their location through our web page.

In addition, for conflicting destinations (maritime, BRAZIL, USA, PAKISTAN, AUSTRALIA, etc...) and for goods of a certain size and value (AT trafos, MT trafos, reclosers, CE containers, etc...), we can sensor the load and collect information on the conditions it has suffered during transit from our facilities to its final destination, specifically two parameters:

- Temperature recording
- Mechanical Stress Register, how much g (gravity) the load has endured and where it has been transported.

With this, we can improve customer complaints that occur at the time of receipt of the goods or a few weeks later, at the facility. It would be positive to be able to trace and certify the information through Smart Contract with blockchain (both for this casuistry and for other areas, i.e. purchases).

What we are looking for

We are looking for mainly a startup in line with these themes:

1. Expertise in logistics and technology; especially in real time tracking and geolocation of products.

2. Technical skills in geolocation systems, tracking software and web development. Knowledge in technologies such as GPS, RFID or emerging technologies (5G and satellite services, sensors, blockchain, etc.) will be valued.

3. International Nature and Regulatory Compliance, a partner with experience in global operations and a deep understanding of the regulations and logistic challenges in the different regions of application mentioned above is preferred.

TRL: 4 – 9.

Geographic scope: global

What we offer

-   Market access and knowledge: industry connection and business enabler in real conditions; access to data, etc…

-   Necessary team and expertise: technological validation in our facilities and collaborative projects

-   Financial and material resources: Social Capital, crowdfunding and possibility of access to external funding

-   Brand positioning: increased visibility and reinforcement of value connections

-   Scale economies: promote scalability in a sustainable and sustained way over time.
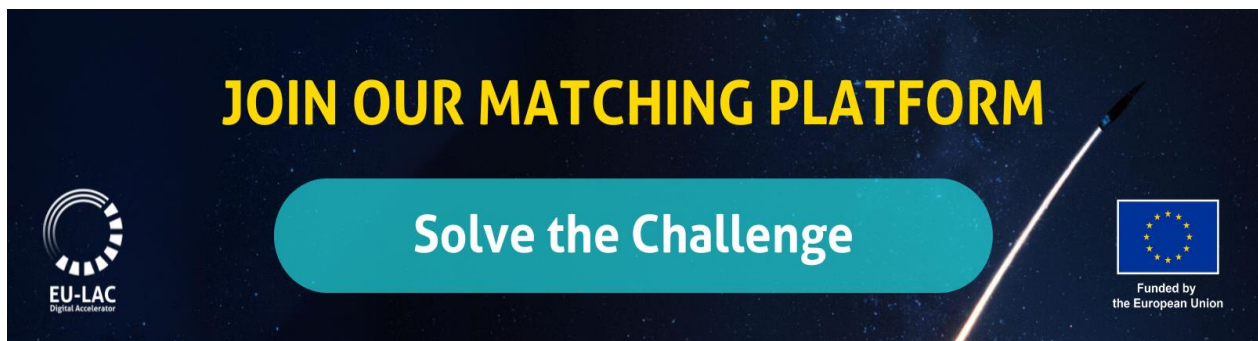
Other

Opportunity area	Smart production
Looking for partners in	Latin America; Caribbean
Specific Areas	Others
Technologies	Blockchain; Big Data Analytics; IoT; Connectivity & 5G; Cloud services; 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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