

**TŘINECKÉ ŽELEZÁRNY****REFRASIL**  
s.r.o.

## Open Call – EIC Multi-Procurer Day with Třinecké Železárny & Refrasil: Crafting a better tomorrow

*The [European Innovation Council \(EIC\)](#), together with [Třinecké Železárny](#) and [Refrasil](#), is organising an EIC Multi-Procurer Day that's taking place on 28 February and 1 March 2023. This online event aims to match EIC beneficiaries with the procurer's needs on topics of interest for each of the procurers.*

*Interested in this opportunity?*

*Make sure to [apply](#) until 16 December 2022!*

[Třinecké Železárny](#), a.s., is an important metallurgical corporate, and a relevant element of the region and the town of Třinec (CZ). Its annual production is approximately 2.6 million tonnes of steel and its main products include mainly long rolled products - rolled wire, shaped steel, special bar steel, drawn steel, rails including accessories for railway superstructure, wide steel, seamless pipes and metallurgical semi-finished products.

[Refrasil](#), s.r.o., is one of the most prominent corporates of the Czech metallurgical ceramics industry. Its focus is on the production of refractory materials for the lining of metallurgical facilities and the production of building refractory materials and substances. The international prestige of the company has increased with its admission to the European Association of Refractory Material Manufacturers. The company has implemented a quality control system according to ISO 9001.

With that in mind, the EIC, Třinecké Železárny and Refrasil are calling for action and looking for companies and startups that are willing to present their innovative solutions to procurers in the topics of interest explained below. The selected EIC beneficiaries will then get the chance to pitch their innovations and solutions during the online event on 28 February and 1 March 2023.

**Who can apply?**

All EIC beneficiaries working on innovative products or services with market maturity in the mentioned topics of interest, that can respond to the needs of the challenges below.

**What challenges should you prepare for?****Třinecké Železářny*****Challenge 1 – Digitalisation of iron and steel production:***

Třinecké Železářny is looking for the implementation of process models and software solutions (planning, logistic) based on novel technologies (e.g., AI, machine learning, big data).

***Challenge 2 – Decarburisation technologies for metallurgy:***

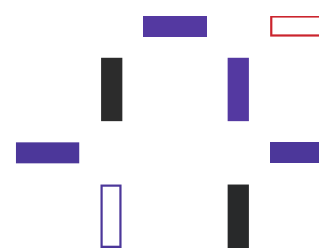
Producing steel via BF-BOF technology which is CO<sub>2</sub> intensive. Třinecké Železářny is looking for innovative solutions that can be implemented on coke batteries, sinter plants, and blast furnaces to decrease the level of CO<sub>2</sub> (and other pollutants) per ton of production or save the energy used during the production.

***Challenge 3 – Circular economy:***

During the production of iron and steel arises a lot of secondary products like slags, sludges and dust. A lot of them are already used in other industries (production of cement, concrete, road construction) but there are still secondary products without possible usage and are in landfill. Třinecké Železářny is looking for innovative technologies for alternative usage of selected products, to decrease the amount of material which must be nowadays landfill. Some of the materials can be also interesting for other industries (also tracing the amount of Br, Rb, Se, Ta...).

**Refrasil*****Challenge 1 – Digitalisation and automatisisation of refractory production:***

Refrasil is looking for solutions that enable the implementation of process models and software solutions (planning, logistic) and novel technologies for product quality control and handling (e.g., AI, machine learning, industrial robots).



**Challenge 2 – Circular economy:**

Refrasil is looking for new solutions and applications to process mixed refractory materials after usage (Al<sub>2</sub>O<sub>3</sub> and MgO-based materials) so these materials can be reused back into production.

**Challenge 3 – Power + energy saving technologies:**

Production of fired refractory bricks demands a high amount of energy with average consumption of 4,4 GJ/t of production. Refrasil is looking for technical solutions to decrease energy consumption and/or novel technologies for refractory production.

**Opportunities for selected EIC-funded SMEs**

- Privileged access to the world's leading companies with the potential to initiate strategic partnerships along with increased visibility and possible access to new markets.
- Networking opportunities with relevant business counterparts based on your company profile.
- Personalised online training on pitching techniques and Třinecké Železárny and Refrasil specifications before the event.
- Services related to support before, during and after the event.

**Application**

You can apply by clicking on the following link: [Link](#)

After logging in with your EU-Login, please fill in the respective form.

In your application form, you should include the answer to the questions:

- What is your business compliance with the event?
- What are your expected specific synergies/outcomes for your potential business with the Corporations?
- What corporate are you applying for and which challenge?

Please acknowledge the information you provide on the application form will be shared with Třinecké Železárny and Refrasil to maximise potential benefits and ensure the effectiveness of



meetings. Třinecké Železárny and Refrasil based on their business interests will select the final participants among the applicants.

The Business Acceleration Services will contact all applicants once the selection process has been concluded. However, this contact does not include feedback or recommendations for those not selected.

## **Additional Information**

### **EIC Business Acceleration Services**

The Business Acceleration Services provided are free of charge. All participants are expected to fill out a brief satisfaction survey shortly after the event, and a business impact survey after six months. Failure to do so may lead to exclusion from future Business Acceleration Services.

This opportunity is brought to you by the EIC Business Acceleration Services. To explore other opportunities to connect with the largest public and private procurers in Europe, keep an eye on our [events page](#).

### **Cancellation policy**

Cancellations will only be considered in duly documented cases of “force majeure”. Unjustified cancellation can lead to exclusion in future Business Acceleration Services events.

Should you have any questions regarding the event or your eligibility, please contact us through our [contact page](#) (please choose “EIC Multi-Procurement Day with Třinecké Železárny and Refrasil” as the subject).

