



## STARS Hack&Match Event #4

*Digital twin and Artificial Intelligence for railway processes, products and services*

# AGENDA & FUNCTIONING

## Context

The STARS project has been developed and coordinated by the DITECFER railway cluster from Italy, gathers 16 railway-related partners in Europe and has the support of 30 key European organisations. It is co-funded by the COSME programme of the EU.

The project aims at representing a **booster in terms of production performances and innovation capabilities for SMEs thanks to the uptake of Advanced Technologies** that can make such change possible.

Advanced Technologies have proved to give competitive advantages and will build the “Future Mobility.” In addition, several of the technologies will foster the future of the Railway & Multimodality industrial meta-ecosystem.

The STARS project aims at helping SMEs to focus on:

- The support to the organisational/cultural change based on innovative models,
- The support for a better understanding of investment aspects and return-on-investments (ROI) related to the adoption of Advanced Technologies,
- The training and assistance on funding opportunities for investments,
- The support for upskilling and reskilling.

## What are the STARS Hack&Match events?

The “Hack&Match” events represent **an integral part of the assistance process** delivered by the STARS project partners, as we plan to accompany the more traditional SMEs to these events not just with “needs” but with potential solutions. This will make both the Hackathon-part and the Matchmaking-part more specific and tailored.

The STARS Partners will organise five Hack&Match events during the project.

The topic of the three previous events was: “**Energy efficiency** for Railway Processes, Products and Services” ; “**Big data** for railway processes, products and services” & “**Blockchain** for railway processes, products and services”.

**For the fourth Hack&Match, we decided to focus on: “Digital Twin & Artificial Intelligence for railway processes, products and services”.**

Participation is free of charge and 100% online.

# Why should you participate?

Participating in the STARS Hack&Match events represent:

- for more traditional European SMEs operating or wishing to operate in the Railway and Multimodality sector an opportunity to get an overview of different advanced technologies that can be implemented on their companies to develop new features/innovations in their products/services, increase productivity, reduce costs, develop new digital business models and facilitate their green transition.
- for tech-savvy SMEs an opportunity to promote their solutions/knowledge and open up new potential collaboration (that will be further developed in the Matching part – registrations are already open: <https://starseurope.b2match.io>).
- for any other organisation, an opportunity to co-develop ideas and promote partnering opportunities.

Several of the technologies which will foster the future of the Railway & Multimodality industrial meta-ecosystem:



The main focus of this STARS Hack&Match event will be to develop and stimulate innovation and collaborations among more traditional and tech-savvy SMEs on the topic “Digital Twin & Artificial Intelligence for railway processes, products and services”.

# Hack&Match Event #4 – Agenda

From 01/05/2023  
to 21/05/2023

## Opening of registrations 📌 Call for challenges

Registration form available here: <https://forms.office.com/e/C698HKA3zA>  
Target: in priority traditional SMEs operating/wishing to operate in the Railway and Multimodality sector

From 22/05/2023  
to 11/06/2023

## Opening of registrations 📌 Call for solutions

Registration form available here: <https://forms.office.com/e/nadyY6T5Bn>  
*(fillable only from May 22<sup>nd</sup>)*  
Target: in priority Tech-savvy SMEs operating/wishing to operate in the Railway and Multimodality sector

14/06/2023,  
4:00 PM

## Launch event of the 4th Hack&Match event (online)

### Program:

- Presentation of the STARS project
- Presentation of the Hack&Match event #4 agenda & functioning
- Keynote about challenges of Digital Twin & AI for railway industry
- Tutorship meeting
- Launch of the Hack&Match #4 🎉

15-16/06/2023

## Teamwork part

*Each participant will have approximately two full days to discover the other SMEs in its team and to exchange with them in order to solve together the challenge they chose.*

*The project partners as well as several experts in Digital Twin & AI for railways will be present throughout the Hack&Match event to help, support and challenge the participants in their collaborative innovation process. All exchanges will take place 100% online.*

16/06/2023,  
5:00PM

## End of the workteam part

*Each team must deliver its results by filling a template document, provided by the organisers during the teamwork part, summarising the challenge they have decided to address and the solutions they wish to implement to solve it.*

16/06/2023,  
5:00 to 6:00PM

## Closure meeting

*Last meeting of the event, with all participants, organisers and experts. An opportunity for the project partners to thank all the stakeholders for their involvement and to give the next steps of the event and of the project.*

July *(date to be determined)*

## Awarding ceremony

*Live event on the STARS social medias to announce to the participants the winners of this first Hack&Match event, their prizes and to announce also the topic and the date of the next Hack&Match!*

## HACK&MATCH MEANS ALSO MATCHMAKING !

*During the whole process described above (and even afterwards), we provide you a B2B meeting platform to meet and exchange with all the participants and stakeholders of the project, all the Hack&Match events participants & experts and also other companies with an interest in our approach.*

**An opportunity for your company to meet new business and/or innovation partners!**

**Registration to the matchmaking platform : <https://starseurope.b2match.io/>**