

Group exchange in Denmark: 6 – 8 September, 2022

We would like to invite EU SMEs, clusters and scaling-up support organisations¹ to participate in the 3 days group exchange in Denmark during the period of 6th-8th of September of June **organized by CenSec** partner within the EU-funded **EXXTRA Project** (**“EXcellence EXchange and Teaming-up between RAilway clusters**). CenSec, the owner of ECEI Gold Label (awarded by ESCA for Cluster Management Excellence), is the prime Danish cluster for small and medium-sized enterprises specializing in high tech industries like defence, homeland security, space, aerospace, railway and maritime.

The exchange foresees organized visits to **DTU** (Technical University of Denmark) and **DTU Skylab** (start-up incubator), **DMF** (Danish National Metrology Institute), the **RTO FORCE Technology** (3D print & additive manufacturing facilities), **BSS - Bionic System Solutions** (predictive maintenance and AI), **Lorenz Technology** (specialized in Intelligent Drone Solutions) and other B2B & matchmaking meetings with Danish companies.

The number of participants is limited and they can receive **a reimbursement equal to 550 euro**. The participation requires an **obligatory registration** and specific steps to proceed according to the project. For more details and registration please **contact irina.vescu@ditecfer.eu by 15th of July, 2022.**

Description:

- **Scope:** The idea is to organise a programme to learn how to use European satellite technologies and data for railway applications, and to explore synergies among railway, space and security stakeholders.
- **Venues:** Copenhagen
- **Period:** 6 September – 8 September (3 full days)
- **Contents and main objectives of the exchange:**
 - Introduction to the Danish railway, space and security sectors, key stakeholders and ecosystems
 - Get better insights into how to use European satellite technologies and data for railway applications
 - Identify synergies between railway, space and security sectors and stakeholders
 - Site and company visits at key stakeholders both regarding research and technology organisations (RTOs) and companies.
- **Host Organisation (HO):** Center for Defence, Space & Security (CenSec) (Danish national cluster for defence, space and security)
- **Organiser/key contact:** Sofie Jensen, Project Manager & International Partnerships, CenSec, email: sofie@censec.dk
- **Target participants:** European SMEs, clusters and other scaling-up support organisations with an interest in a better understanding of the Danish ecosystem and key actors within the railway, space and security sector and key technologies in Denmark

¹ Research institutes, fab labs, (digital) innovation hubs, creative hubs, technology centres, innovation centres, science parks, technology parks, fab labs, co-working centres resource-efficiency service providers, incubators and accelerators that are members of a cluster registered at ECCP website.

- **Expected number of participants:** up to 10 persons

- **Location:**
 - Day 1: DTU (Technical University of Denmark), Building 424
 - Day 2: Site and company visits (transportation organized by HO)
 - Day 3: Business Faxe, Industrivej 2, 4683 Rønnede

Agenda:

When (date & time)	Time:	What:
Day one: Introduction to the Danish stakeholders and ecosystem		
Day 1: 6 September	08:00-12:00	Location: DTU (Technical University of Denmark), Bygning 424 HO: Overall introduction of the program of the following days and stakeholders.
	09:00-10:00:	<ul style="list-style-type: none"> • Introduction to participating stakeholders and round of introductions • Introduction of the HO CenSec and overview of cluster organisation and deep dive into relevant cluster activities <p>Speaker from CenSec: Sofie Jensen, Project Manager</p> <p>HO will introduce the VOs to the Danish railway and space ecosystem and will coordinate in depth presentation of the Danish railway and space ecosystem, synergies and collaboration opportunities. This includes discussions guided by HO with participating companies regarding <i>cooperation opportunities</i>.</p>
	10:00-12:00	<p>Presentations by:</p> <ul style="list-style-type: none"> • DTU Railtech <ul style="list-style-type: none"> ○ Speaker: Henrik Sylvan, Head of Center, DTU Management ○ The single point of contact to the university's expertise in railway technology for the railway industry. Home - Railtech DTU • ESA BIC Denmark <ul style="list-style-type: none"> ○ Speaker: Sune Nordentoft Lauritsen, Manager, ESA BIC Denmark ○ Learn more about how ESA BIC Denmark operates and how they support entrepreneurs in the space sector. Home - ESA Business Incubation Centre Denmark (esabic.dk) • DTU Space <ul style="list-style-type: none"> ○ Speaker (tbc)

	<p>12:00-13:00</p> <p>13:00-14.30</p>	<ul style="list-style-type: none"> ○ The National Space Institute at the Technical University of Denmark, also known as DTU Space ○ Get a better understanding of DTU Space, their research, and projects Forside - DTU Space <p>Lunch</p> <ul style="list-style-type: none"> ● Visit at DTU Skylab (startup incubator) ● Website: DTU Skylab <p>Transportation by HO</p>
	14:30-16:00	<p>Location: DMF – Danish National Metrology Institute, Kogle Allé 5, 2970 Hørsholm, Danmark, https://dfm.dk/en/</p> <p>Site visit at DFM with a tour around their facilities and introduction to their research areas.</p> <p>Presentation from DFM by:</p> <ul style="list-style-type: none"> ● David Balslev-Harder, Team Leader, Photonics & Acoustics ● Jürgen Appel, Senior Researcher, Photonics ● Søren Kynde, Senior Researcher, Nano <p>This includes discussions guided by HO with participating companies regarding cooperation opportunities.</p> <p>After this visit, VO will be transported to Odense, Fynen (transportation organized by HO).</p> <p><i>Dinner in the evening (own expenses)</i></p>
Day two: Site and company visits		
<p>Day 3: 7 September</p>	<p>08:00</p> <p>09:00-12:00</p>	<p>Pick up with bus at hotel (HO organizes transportation) (hotel in Odense)</p> <p>Location: FORCE Technology Sandblæservejen 4, 5330 Munkebo</p> <ul style="list-style-type: none"> ● FORCE Technology will give the delegation a tour around their 3D additive manufacturing facilities, which is one of the largest in Europe. Among other aspects, they will present their cooperation with DSB concerning alternative measures for replacing components. 3D print and additive manufacturing facilities (forcetechnology.com)

	12:00-13:00	Lunch at FORCE Technology (before the delegation moves on, and transportation is organized by HO)
	13:00-17:00	<p>HO accompanies the VOs to visit stakeholders in the railway, space and security sector.</p> <ul style="list-style-type: none"> ➤ Bionic System Solutions (BSS) (predictive maintenance and AI) <ul style="list-style-type: none"> ○ Address: Østre Stationsvej 41P, 5000 Odense C ○ Website: Bionic System Solutions – Leading in AI and biologically inspired signal processing ○ Description: BSS is building sensor technology and IoT infrastructure, where we combine the internet of things with artificial intelligence, machine learning, and biologically inspired algorithms for data processing and clustering of big data. We are focusing our activities in two segments – using the same technology. We have developed a technology that can be utilized in both sound and vibration detection. For vibration detection, we have developed both hardware and software systems for predictive maintenance of machinery. ➤ Lorenz Technology (security sector) <ul style="list-style-type: none"> ○ Address: Sivlandvænget 3, 1., 5260 Odense S ○ Website: Lorenz Technology - Specialized in Intelligent Drone Solutions ○ Description: Our mission is to make all drones autonomous with AI-based software. As a team of dedicated specialists pursuing the development of intelligent, versatile, and user-friendly drone software solutions, we continuously develop and innovate. Lorenz Technology has a close cooperation with DSB with focus on measures to reduce graffiti on trains and facilities. ➤ WILLBRANDT Gummiteknik (tbc) (railway sector) <ul style="list-style-type: none"> ○ Address: Grønlandsgade 9, 4690 Haslev ○ Website: WILLBRANDT – Gummiteknik A/S ○ Description: Willbrandt Gummiteknik is a trading, manufacturing and engineering company providing rubber and steel compensators and rubber or plastic products within vibration, noise and oscillation damping. WILLBRANDT Gummiteknik A/S has for decades been a trusted supplier to Danish railway. Today we supply parts and components to all major actors in Denmark, Norway, Sweden and Finland. <p>Dinner in the evening (own expenses)</p>

Day three: Pitch sessions and B2B meetings		
Day 3: 8 September	08:00-09:00	Transportation to location organized by HO
	09:00-12:00	<p>Location: Business Faxe, Industrivej 2, 4683 Rønnede (location: Byrådssalen) (<i>limited to 40 persons</i>)</p> <p>The second day will focus on pitch sessions and matchmaking activities between participating companies and clusters, and Danish entities. The first part of the day is dedicated to pitch sessions in order for all stakeholders to familiarize themselves with each other and possible cooperation opportunities. The second half of the day will be focused B2B meetings. However, to begin with, our host Business Faxe will give a presentation on their focus areas, and HO DBI will present their strategic research within energy and transport.</p>
	09:00-10:00	<ul style="list-style-type: none"> • Presentation by Business Faxe <ul style="list-style-type: none"> ○ Speaker https://businessfaxe.dk/ • Presentation by DBI - The Danish Institute of Fire and Security Technology, Energy and Transport (brandogsikring.dk) <ul style="list-style-type: none"> ○ Speaker Thomas Hulin, Head of Energy and Transport, Ph.D,
	10:00-12:00	<ul style="list-style-type: none"> • Pitch sessions with participating companies and national stakeholders (10 minutes each)
	12:00-13:00	Lunch
	13:00-16:00	<p>B2B and matchmaking meetings between VOs and national companies (some pre-organized and some spontaneous)</p> <p>Danish companies and organization to be confirmed</p> <p>HO organizes transportation to CPH airport</p>
	16:00-17:00	<i>Departure from Denmark in the evening</i>