



CenSec

CENTER FOR DEFENCE, SPACE & SECURITY



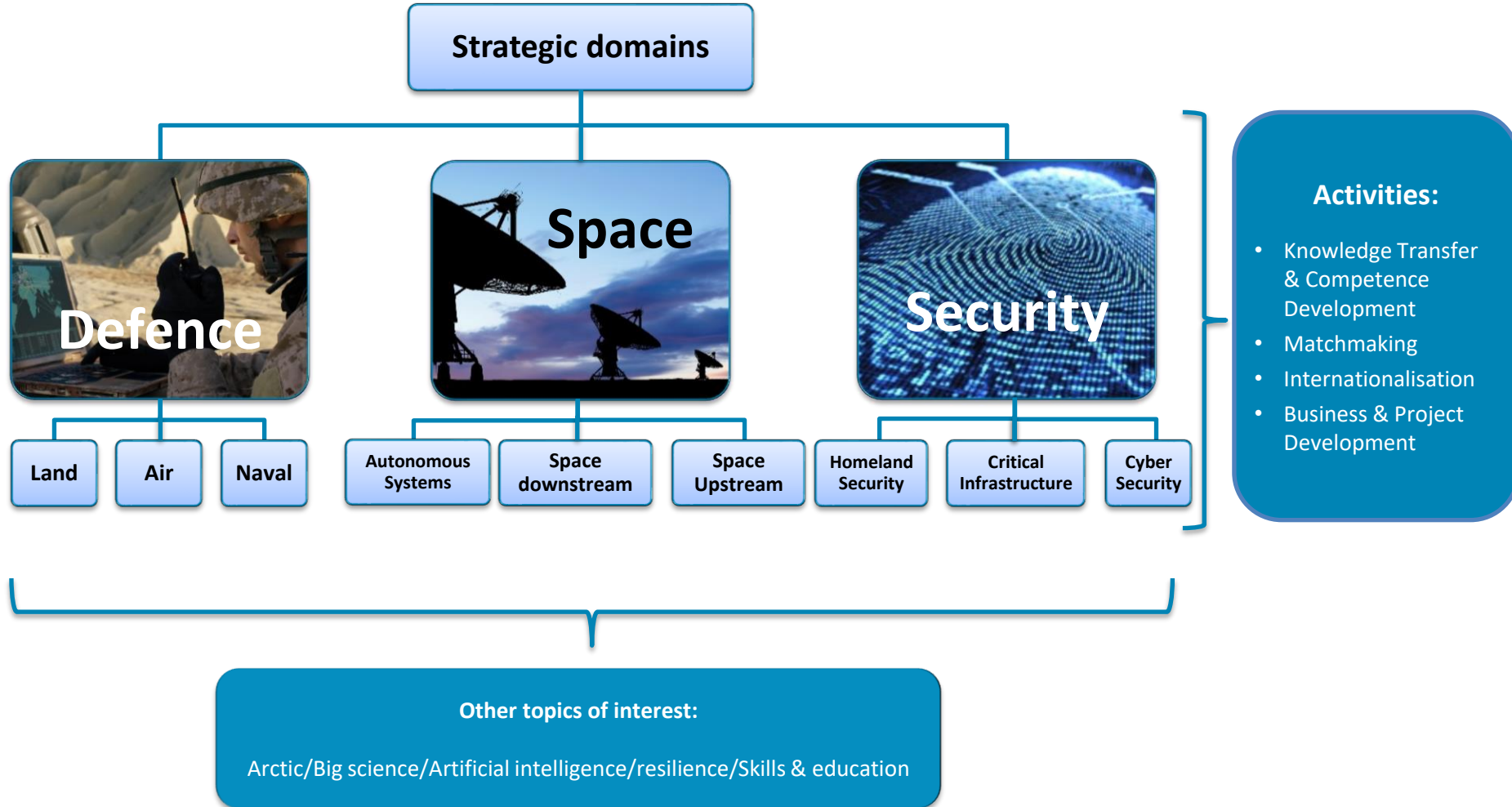
GOLD

Cluster
Management
Excellence

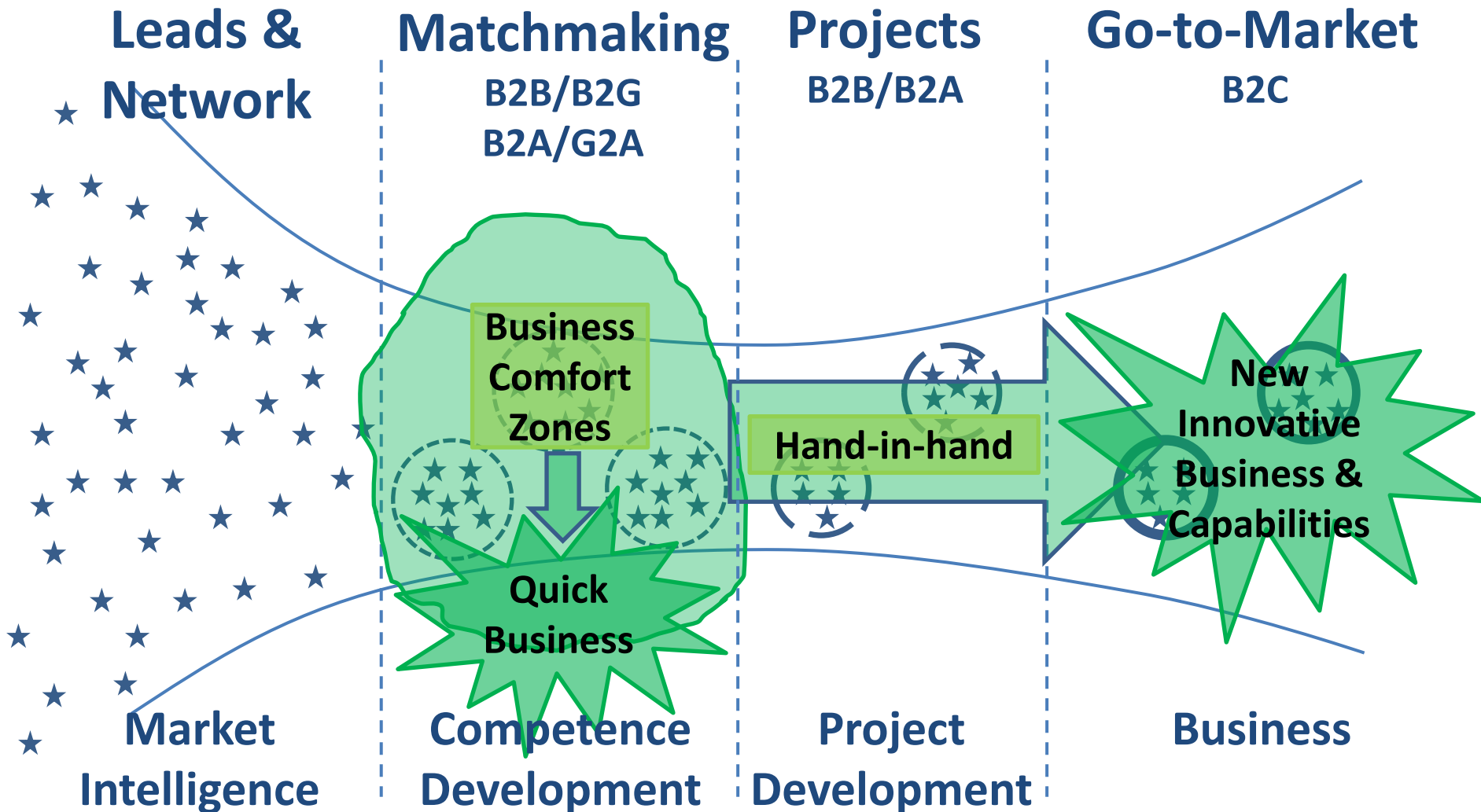
PROVEN FOR CLUSTER EXCELLENCE



- CenSec is the official Danish cluster organization for companies with an interest in high tech industries like defence, homeland security, cyber security, maritime, space, aerospace, and dual-use. CenSec is the centre of a huge ecosystem with many Danish and international stakeholders within defence, space and security, and related industries.
- CenSec is an active, mature and well established private non-profit organization funded by member fees and project grants.
- 2004: Established as a network
- 2007: Founded as an industrial cluster organization
- 2014: Recognized as an official National Innovation Cluster
- 197 committed members with leading edge technologies, skills and knowledge within the defence-, space-, and security industries and related industries.
- CenSec's secretariat comprises 12 well educated and experienced employees that cover a wide range of competencies and expertise.



CenSec's Innovation Concept





Innovation in Value Chains!

CenSec's first appearance in the EU Defence Community (Oct. 2013)

“The Commission will explore with industry – taking a bottom-up approach - how to establish a European Strategic Cluster Partnership designed to support the emergence of new value chains and to tackle obstacles faced by defence-related SMEs in global competition. In this context, the Commission will use tools designed to support SMEs, including COSME, for the needs of defence-related SMEs. To this end the use of European Structural and Investment Funds may also be considered. This work will include clarifying eligibility rules for dual use projects.”

CenSec in Europe

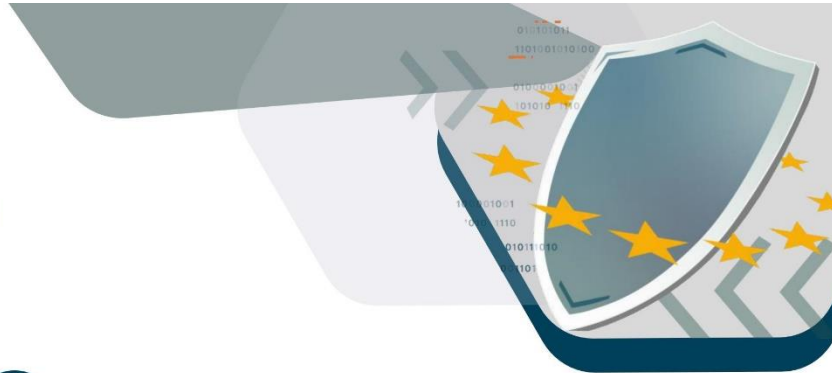


r States
members

Selected European Partnerships

- 1) *European Network of Defence-related Regions:* (www.endr.eu)
- 2) *European Defence Skills Partnership:* (<https://eudsp.eu/>)
- 3) *European Pact for Skills:* (<https://pact-for-skills.ec.europa.eu>)
- 4) *European Pact for Skills for Aerospace & Defense:*
(<https://www.asd-europe.org/pact-for-skills-for-aerospace-and-defence>)
- 5) *EnSure-Collaborative:* (<https://www.ensure-collaborative.eu/>)
- 6) *European Cyber Security Organisation:* (<https://ecs-org.eu/>)
- 7) *North European Cybersecurity Clusters:* (<https://necc.network/>)

**EUROPEAN
DEFENCE
FUND**



ROLIAC

Robust and Light AM components for military systems

| SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2021

CALL TITLE:	Research for disruptive technologies for defence applications
TOPIC TITLE:	New materials and technologies for additive manufactured defence applications
DURATION OF THE PROJECT:	36 months
TYPE(S) OF ACTIVITIES:	Generating and integrating knowledge; Studies; Design
ESTIMATED TOTAL COST:	€ 3,978,712.13
MAXIMUM EU CONTRIBUTION :	€ 3,978,712.13



| SHORT DESCRIPTION OF THE PROJECT:

ROLIAC will focus on new materials and technologies for additive manufacturing of lightweight parts of defence equipment.

The project “Robust and Light AM components for military systems” (ROLIAC) presents advanced research for additive manufacturing technologies for defence applications. It will design and manufacture lightweight military grade parts with novel materials for three military use-cases: a light metal emergency wheel, a cargo bay-door hinge and a large-scale antenna mount for satellites.



SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2021

MEMBERS OF THE CONSORTIUM AND COUNTRY OF ESTABLISHMENT:



NAME OF THE ENTITY	COUNTRY
TEKNOLOGISK INSTITUT (Coordinator)	Denmark
AEROTECNIC METALLIC SL	Spain
AMSIS GmbH	Germany
CENTER FOR SIKKERHEDSINDUSTRIEN I DANMARK	Denmark
FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	Germany
GRÄNGES POWDER METALLURGY GmbH	Germany
LISI AEROSPACE ADDITIVE MANUFACTURING	France
LORTEK S COOP	Spain
OHB HELLAS MONOPROSOPHI ETAIREIA PERIORISMENIS EFTHINIS	Greece
TECHNISCHE UNIVERSITEIT EINDHOVEN	Netherlands

European Defence Fund:

- ✓ ROLIAC (EDF2021)
- ✓ 2 Applications submitted for EDF2022

Other EU Projects:

- ✓ AILEEN (skills development, advanced manufacturing)
- ✓ SecureIT (funding for SME prototype/demo projects, security)
- ✓ ASSETS+ (skills development, defence)
- ✓ KETs4DualUse 2.0 (Non-EU markets for European dual-use KETs)
- ✓ EXXTRA (cluster organization best practice sharing)

National Projects: Innovationskraft (Governmental Innovation Cluster), INTLOOP (EU/HE consortium building), Beyond Beta (Defence Startup Incubator), MOD SME EDF-Grant

Experience regarding EDF-involvement and impact:

- 1) **Management and organization of projects and work packages**
- 2) **Communication, dissemination and exploitation – including organizing events**
- 3) **Mapping, involving, matchmaking of stakeholders such as companies, universities, RTOs, clusters, governmental authorities**
- 4) **Evaluation, monitoring and analysis of project results**

Based on Credibility and Quality as a Partner

Thanks for your attention

Klaus Bolving, CEO, CenSec

