

1.Luxembourg Industry capability technologies for "Green Defence": national, European and NATO needs

Research & Technology Development

Commercial solutions

Smart Mobility (tactical vehicles / aircrafts /drones/space)			Strategic Foresight & Climate change Adaptation			Resilient Infrastructures	
e-fuels/ Hydrogen /propulsion	Lightweight materials	Autonomous systems	Earth Observation	Geointelligence	Biotechnologies and engineering	Cyberdefence	Manufacturing for camps and buildings

Materials / Circular Economy

Sustainable & Digital





Directorate of Defence











2. Development of Defence Capabilities through Innovation

Integration of the Luxembourg Industry into the European Defence Value Chain via initiatives and programmes supported by the LU DoD (national, european, NATO)









Capability Technology ("CapTech") WG

European Defence Fund (EDF)

NATO innovation & procurement programs

<u>Objective of R&D Programmes</u>: provide the Luxembourg Industry with the necessary baggage in order to be sufficiently qualified for NATO's procurements programmes

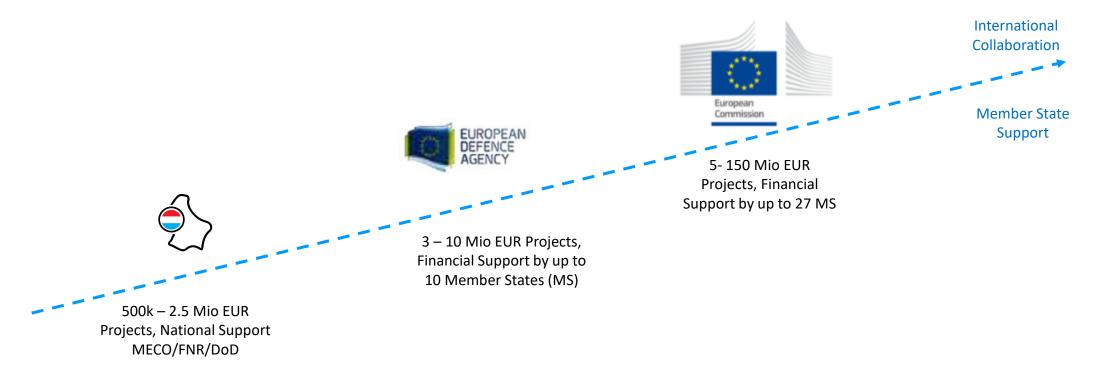
<u>Ultimate goal</u>





3. EDA and EDF - key instruments for EU Defence Capability Development

Explore **opportunities** (R&D and Commercial) which the European Defence Agency (EDA) and the European Defence Fund (EDF) can offer in order to **develop new know-how** and **technological capabilities** in the interest of EU Defence







4. Luxembourg Industry & Research - Rationale for the EU Defence initiatives and programmes

Why to participate to the **European Defence Agency**'s Capability Technology "CapTech" Working Groups as well as the **European Defence Fund (EDF)**?

- You have a technology/know-how/capabilities which could be of interest for Luxembourg and EU defence
- You want to innovate, diversify and explore new markets through EU defence
- You want to **collaborate** with the European Ministries of Defence (MoD), the Prime contractors as well as the European industry active in defence to **develop future EU Defence Capabilities**



<u>Main challenge</u>: **Convince** European Ministries of Defence (MoD), the Prime contractors as well as the European industry active in defence **of your qualities**

Luxinnovation (Governmental Expert and Representative National Defence Industry Association) and the Luxembourg Directorate of Defence (Delegates to Programme Committees and National Coordinator) support you in this process





5. AIM of the "Dual-use Technologies for Green Defence: European Opportunities for Luxembourg Industry and Research" Event



Be INFORMED



Directorate of Defence





Get INSPIRED







Be INTERCONNECTED





Sustainability







6. European "Green Defence" Initiatives for Smart Mobility (Tactical Vehicles, drones, aircraft, space)

E-fuels / Hydrogen /Propulsion







Lightweight materials



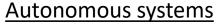


























Sustaianbility

Materials and components



Additive Manufacturing



Digital

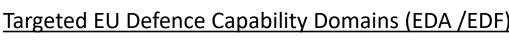
Digital transformation









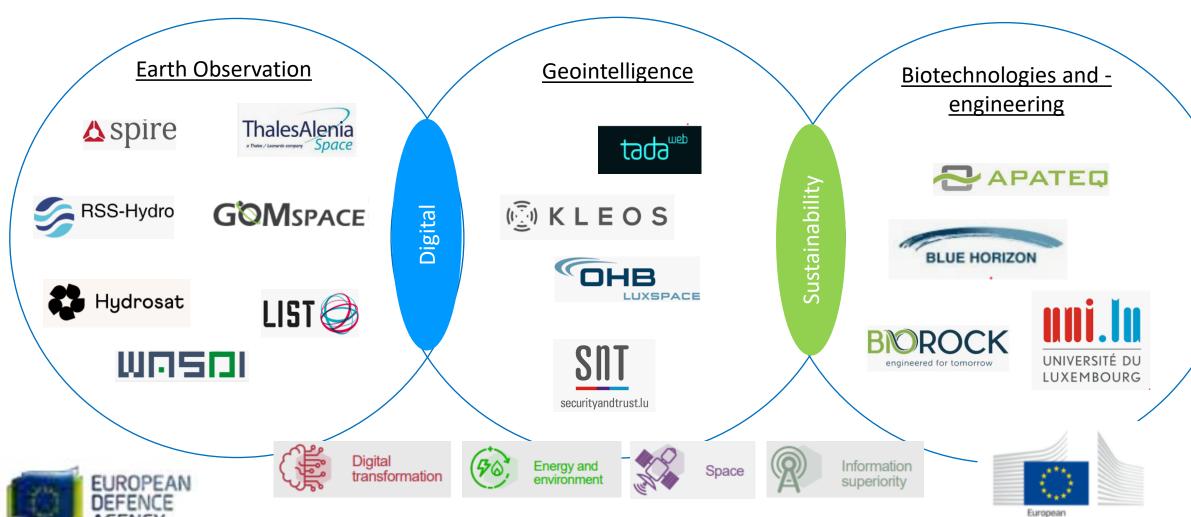








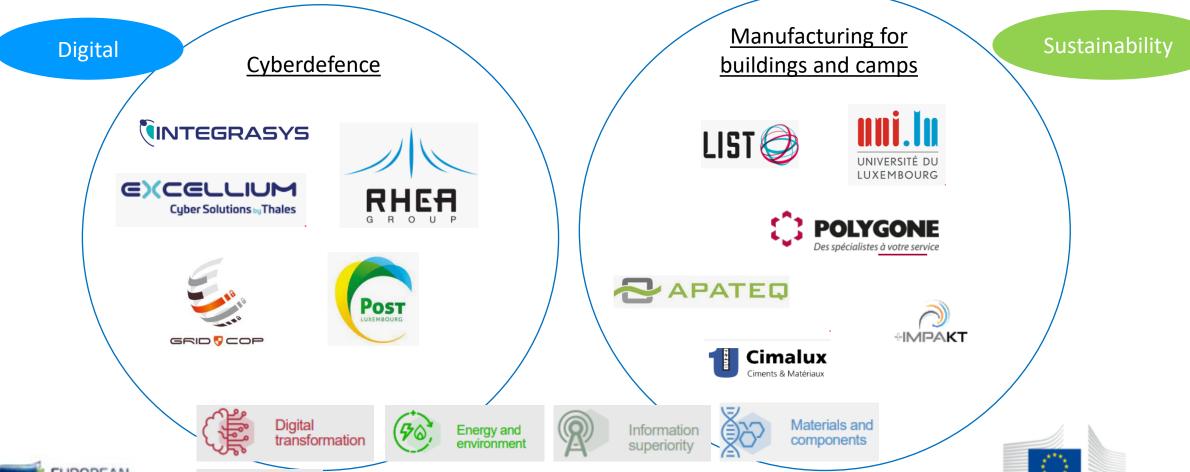
7. European "Green Defence" Initiatives for Strategic Foresight & Climate change adaptation







8. European "Green Defence" Initiatives for Resilient Infrastructures







European Commission

Thank you!

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