



INDUSTRIAL STRATEGY FOR EUROPE

Action Plan on Synergies between Civil, Defence and Space Industries

The role of DG DEFIS

February 2021

#EUIndustrialStrategy

The European Commission has presented an Action Plan to enhance synergies between civil, defence and space industries.

This Action Plan lays the ground to turn the challenges into opportunities by delivering concrete actions under three headline objectives:

- **Synergies:** enhance coordination between relevant EU programmes and instruments to increase efficiency of investments and effectiveness of the result.
- **Spin-offs:** promote that EU funding for research and development, including on defence and space, has economic and technological benefits for European citizens.
- **Spin-ins:** facilitate the use of civil industry research achievements and of civil-driven innovation in European defence cooperation projects

3 flagship projects:



EU STRATEGY FOR A SPACE TRAFFIC MANAGEMENT (STM)

EU Space Traffic Management will develop a set of European standards and rules to organise safe access to and operations in space exacerbated by the proliferation of space vehicles, satellites and space debris. STM contributes to EU's strategic autonomy and technological sovereignty.



EU SPACE-BASED SECURE CONNECTIVITY

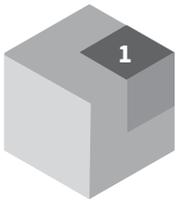
EU space flagship project providing space-based secure connectivity for governmental and commercial services, including better connecting key infrastructure, support for crisis management and external actions, surveillance and mass market; and, ubiquitous high speed broadband coverage throughout Europe..



EU DRONE TECHNOLOGIES

The flagship project will form part of an overall ambition to be further set out in the 'EU drone strategy 2.0' It will identify areas of cross-fertilisation, so that defence projects benefit from innovative developments emerging from SMEs active in the field of civilian drones and that civil aeronautics benefit from developments in the field of defence.

A number of actions that DG DEFIS contributes to:



Commission will present a proposal to strengthen the capability approach across security sectors

- ▶ Increase convergence between Member States' defence planning and provide references for a more coherent development of Europe's defence capabilities.



Promote synergies by improving coordination of EU programmes and instruments and by launching actions to facilitate access to finance.

- ▶ Under MFF 2021-2027, the **EU to scale up investment in technologies** for civil, defence and space applications, through the EDF and the Space programme.



Targeted actions for start-ups, SMEs and Research and Technology organisations

- ▶ **Promote opportunities offered by the space entrepreneurship initiative CASSINI** for business acceleration, incubation, seed-funding and pre-commercial procurement as well as innovation partnership and procurement of innovation;



Technology roadmaps and Observatory to boost innovation on critical technologies.

- ▶ EU Observatory of Critical Technologies providing regular monitoring and analysis of critical technologies
- ▶ Technology roadmaps to stimulate cross-fertilisation between civil, defence and space industries for critical technologies such as Cybersecurity defence technologies, quantum , secure communications , earth observation and space technologies



Promote the use of existing hybrid civil/defence standards and the development of new ones

- ▶ Identify existing standards and best practices, and commission the development of new ones, that can be used across civil, defence and space industries and promote their use in relevant EU programmes and instruments



Launch of an 'innovation incubator' to support new technologies and shape dual-use innovation. Innovation incubator to develop and accelerate technologies in the field of dual use innovation and improve cross-fertilisation with other ecosystems.

- ▶ Defence Innovation networks to provide technological demonstration services to test the relevance of technologies stemming from the civil sector in potential defence applications.



Set up of the Cybersecurity Competence Centre to strengthen synergies, spin-ins and spin-offs between the work of the Centre, the EDF and the EU Space programme

- ▶ European Defence Fund (EDF) and EU Space Programme to support European research and development of cyber defence and cybersecurity solutions, such as in the areas of cyber situational awareness and operation capabilities, cyber training and exercises.



Present innovative forms of funding to promote participation of non-traditional players, attract start-ups and promote cross-fertilisation of solutions.

- ▶ Up to 8% of EDF budget to support disruptive technologies, promote participation of non-traditional defence players and attract start-ups