



MISSION AND VISION STATEMENT

Key Digital Technologies (KDT) Joint Undertaking encompasses electronic components, their design, manufacture and integration in systems and the software that defines how they work. The overarching objective of this partnership is to support the digital transformation of all economic and societal sectors and the European Green Deal, as well as support research and innovation towards the next generation of microprocessors. Together with the Declaration on a European Initiative on processors and semiconductor technologies signed by 20 Member States, an upcoming alliance on microelectronics, and a possible new Important Project of Common European Interest under discussion by Member States to foster breakthrough innovation, this new partnership will help boost competitiveness and Europe's technological sovereignty.

The new KDT partnership aims to:

- Provide innovative electronic components and systems, software and smart integration to digital value chains, providing secure and trusted technologies tailored to the needs of user industries and citizens. This will help reinforce Europe's potential to innovate.
- Develop and apply these technologies to address major global challenges in mobility, health, energy, security, manufacturing and digital communications. This will contribute to and strengthen Europe's scientific and technological bases.
- Better align R&I and industrial policies for a joint approach in mastering these drivers of innovation.
- Further reading:
 - Strategic Research and Innovation Agenda: https://www.kdt-ju.europa.eu/sites/default/files/2021-12/2021_ECS-SRIA-final_1501.pdf
 - Annual Activity Report 2020 (ECSEL): <https://www.kdt-ju.europa.eu/sites/default/files/2021-06/ECSEL%20GB%202021.157%20-%20Annex%20AAR%202020.pdf>

KEY FACTS AND FIGURES

Horizon Europe Pillar and Cluster: Pillar II – Cluster 4: Digital, industry and space

Type of partnership: Institutionalised (Art 187 TFEU) – joint undertaking

Coordination entity: Private members are represented by the AENEAS and INSIDE Associations. The Participating States and the Commission are represented by the Public Authorities Board

Total estimated budget: EUR 6.1 bn

EU commitments: EUR 1.8 bn

Partners' commitments: EUR 2.5 bn (private sector) + EUR 1.8 bn (participating countries)

Predecessor under Horizon 2020: The Electronic Components and Systems for European Leadership (ECSEL) JU



FIND OUT MORE

www.kdt-ju.europa.eu

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PARTNERSHIP SPECIFIC IMPACT PATHWAY (PSIP)

Not available

PARTNERSHIP'S KEY PERFORMANCE INDICATORS

Data not available

KPI NAME	UNIT OF MEASUREMENT	BASELINE	TARGET 2023	TARGET 2025	TARGET 2027	AMBITION >2027
RESOURCES (INPUT), PROCESSES AND ACTIVITIES						
OUTCOMES						
IMPACTS						

The KDT JU fiche is not complete due to the recent Chips Act proposal of the European Commission and the expected impact on the KDT JU. For more information, please refer to: https://ec.europa.eu/commission/presscorner/detail/en/ip_22_729.

SYNERGIES WITH OTHER EUROPEAN AND NATIONAL INITIATIVES

Not available

OVERVIEW OF MEMBERS

Not available