

Monetisation and Sustainability in 6G

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New technologies with totally new goals and challenges

New technologies as crucial element needed for achievement of **strategic security goals*****:

- Security is the foundation of stability, democracy, and economic success, requiring enhanced preparedness, trust, and solidarity among Member States.
- Combating hybrid threats and malicious actors requires enhanced intelligence, deterrence, and resilience measures.
- A strategic, long-term investment framework is necessary to fund preparedness, including dedicated facilities and innovative financing mechanisms.

New technologies as important element to build **resilient, secure, and sovereign** digital assets including*:

- Developing Digital Public Infrastructure (including sectors like health, energy, and mobility).
- Improving Physical & Logical Infrastructure: invest in chips, data centers, connectivity, quantum tech, and energy infrastructure. Promote interoperability, standards, and decentralization.
- Fostering Adoption & Industry Participation: develop interoperable platforms. Build skills and certifications aligned with European standards.

New technologies are influenced by **security challenges**:

- Resilient connectivity in crisis or conflict zones.
- Secure communication channels for emergency services and encrypted communication for sensitive information.
- Improved coordination during disaster response and rescue missions.
- Encrypted communication for sensitive information.
- Support cyber defense operations and threat detection.

Based on:

- #EUROSTACK: EUROPEAN STRATEGIC SOVEREIGN DIGITAL INFRASTRUCTURES. Joining and building logical and physical infrastructures to secure Europe's role in competitive digital value chains. A PITCH DOCUMENT, 10 January 2025
- *** „Safer Together Strengthening Europe's Civilian and Military Preparedness and Readiness” . Report by Sauli Niinistö

New technologies with totally new goals and challenges

Attitude of society towards new technologies:

- More opportunities for the development of future generations.
- The development of mobile networks is an essential element of socio-economic progress.
- Science and technology make our lives easier and more comfortable.

BUT

- We estimate that ca 51% of society believes that PEM is harmful to health**.

Different needs of end users related to use of new technologies.

- Basic: communication, administrative matters, shopping, navigation
- New: medical care, smart home,

Talent management

The need to create a European certification and training system that would support the development of modern digital skills, reduce dependence on foreign technologies, and build Europe's workforce in the digital sector*

Proper education regarding new technologies and preventing, counteracting disinformation.

Regulations

- Support from the administration – less regulations
- New regulatory frames: de-regulations; simplification; strategic goals as a core

New investment from the Telco sector.

- Additional financing for new investments.
- New approach from VC
- Funds of support

Business case as a basis for decisions to invest in new technologies (with proper margins).

Based on:

* #EUROSTACK: EUROPEAN STRATEGIC SOVEREIGN DIGITAL INFRASTRUCTURES. Joining and building logical and physical infrastructures to secure Europe's role in competitive digital value chains. A PITCH DOCUMENT, 10 January 2025

** „Postawy Polaków wobec nowych technologii. Znajomość tematyki pola elektromagnetycznego i emocje związane z PEM”, PIIT, KUL.

PIIT

**Polska Izba
Informatyki i Telekomunikacji**

Jesteśmy kompetentnym partnerem sektora
teleinformatycznego

Od 1993 roku zrzeszamy i promujemy firmy
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Budujemy trwałe relacje z otoczeniem biznesowym
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