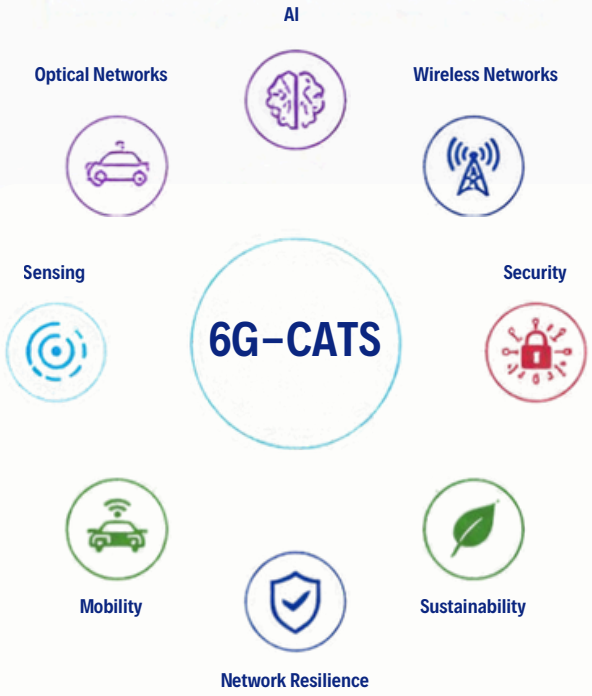
Follow the project

www.6g-cats.eu



One platform. Many capabilities.

6G-CATS brings together optical and wireless communications, sensing, artificial intelligence, advanced mobility and quantum-resilient security in a modular and programmable 6G platform.



Co-funded by the European Union

6GSNS

6G-CATS has received funding from the Smart Networks and Services Joint Undertaking (SNS JU) under the European Union's Horizon Europe research and innovation programme underGrant Agreement No 101287162.

AI-Powered 6G Networks: Secure, Energy-Efficient and High-Speed End-to-End Communication supporting Sensing and Mobility

Connecting Communications, Sensing, AI, Mobility and Security



www.6g-cats.eu

About 6G-CATS

6G-CATS is a Horizon Europe research and innovation project developing a fully integrated, modular and programmable 6G platform combining optical and wireless communications, sensing, artificial intelligence, advanced mobility and quantum-resilient security.

Secure • Intelligent
Sustainable • Connected

Advancing the foundations of future end-to-end 6G networks



Key Technology Areas

- **AI-Native Networking**
- **Optical & Wireless Integration**
- **Integrated Sensing**
- **Energy Efficiency**
- **Network Resilience**
- **Quantum-Resilient Security**
- **Advanced Mobility**

From research to impact

01 | Connected Mobility

Advanced 6G connectivity, sensing and intelligent mobility services.

02 | Resilient 6G Networks

6G resilience, service continuity and automatic recovery in disaster scenarios.

03 | Quantum-Resilient Communications

Secure communications for industrial manufacturing and trustworthy residential environments supporting automation, control and operation.

Programme:	Horizon Europe / Smart Networks and Services Joint Undertaking
Topic:	HORIZON-JU-SJSN 2025 STREAM-STREAM-B 032
Duration:	36 Months
Starting Date:	September 2026
Grant Agreement:	101287162

Discover the future of 6G

www.6g-cats.eu