What is Agentic?

AGENTIC6G is developing an AI-native multi-agent framework where autonomous and cooperative AI agents can manage, optimise, protect and adapt 6G network and service operations across the Device–Edge–Cloud continuum.

The project aims to simplify network and service operations while enabling more autonomous service composition, management, optimasation and protection.

36 Months	**9** Partners
3 Phases	**2** Use Cases

AGENTIC6G

Connect with us

- agentic6g
- @Agentic6G
- www.agentic6g.eu

Scan to discover the latest Agentic6G research, activities and results.

AGENTIC6G

Autonomous Multi-agent AGENTIC AI System for 6G Networks

Real-world use cases for a smarter 6G Europe

01

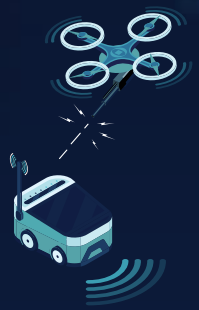
Zero-Touch Service Assurance

Autonomous service assurance in multi-vendor telecom environments, where specialised AI agents support network monitoring, anomaly detection and corrective actions for more resilient and proactive network operations.

02

Swarm-Intelligent Multi-Robot Coordination

Autonomous coordination of heterogeneous robotic systems over advanced mobile networks, where specialised AI agents support distributed coordination, orchestration, resource optimisation and adaptation for demanding robotic scenarios.



Key Innovations

1 Autonomous Multi-Agent Intelligence

Cooperative AI agents working collectively across distributed 6G environments.

2 On-Demand Agent Generation

Dynamic creation and onboarding of agents according to emerging network and service needs.

3 AgenticOps

Lifecycle management of multi-agent and LLM-based agentic systems.

4 Hybrid AI-Native Orchestration

Intelligent orchestration across the Device–Edge–Cloud continuum, including decentralised scenarios.

5 Autonomous Network Adaptation

Capabilities supporting self-protection, self-healing and auto-scaling of network operations.

Consortium

orange™

ERICSSON

UNIVERSIDAD DE MURCIA

UNIVERSITAT POLITÈCNICA DE VALÈNCIA

eBOS

Aston University BIRMINGHAM UK

Bull

UNIVERSITY OF LEICESTER

ONESOURCE Consultoria Informática Lda.

Co-funded by the European Union

6GSNS

Co-funded by the European Union under Grand Agreement No 101290342. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or Smart Networks and Services Joint Undertaking. Neither the European Union nor the granting authority can be held responsible for them.