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AGENTIC6G

Autonomous Multi-agent AGENTIC AI System for 6G Networks

36	9	3	2
Months	Partners	Phases	Use Cases

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.

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™ · Aston University Birmingham UK · Ericsson · Bull · Universidad de Murcia · University of Leicester · Universitat Politècnica de València · ONESOURCE Consultoria Informática Lda. · eBOS

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