HORSE

The HORSE project aims to create a holistic research approach aimed to design, develop and validate an autonomous, self-evolving and extendable 6G-ready architecture providing a human-centric approach to security workflows, by enabling top-down, bottom-up and end-to-end security solutions.

OBJECTIVES

- Analyse foreseeable 6G scenarios
- Design end-to-end security solutions
- Develop a human-centric programmable platform
- Deploy predictive AI technologies
- Characterise user's profile and 6G system as a digital twin
- Design an interface as "Human-In-The-Loop"

CONSORTIUM

cnit · Atos · Telefónica · Ericsson · Technische Universität Braunschweig · HELLENIC REPUBLIC National and Kapodistrian University of Athens · Suite5 We Deliver Intelligence · UNIVERSITAT POLITÈCNICA DE CATALUNYA BARCELONATECH · MARTEL innovate · efacec · HOLO-LIGHT · ZORTENET · Sphynx Technology Solutions · EIGHTBELLS Independent Research & Consultancy

horse-6g.eu

Co-funded by the European Union

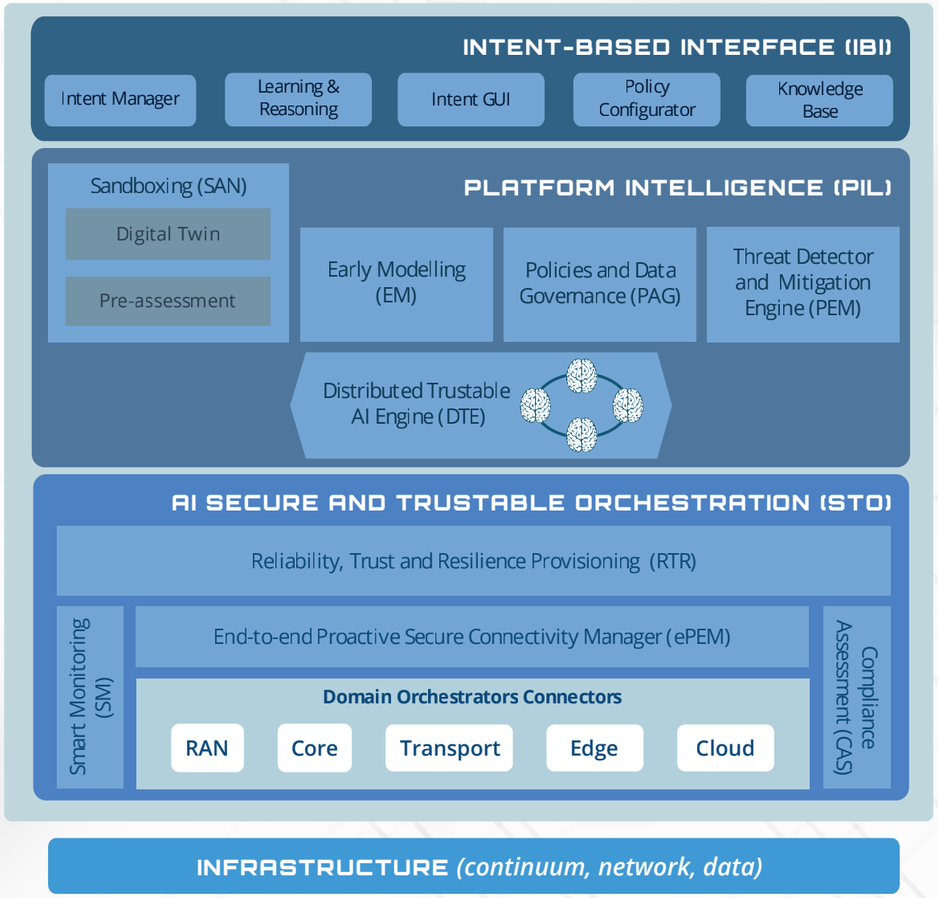
HORSE

Holistic, omnipresent, resilient services for future 6G wireless and computing ecosystems

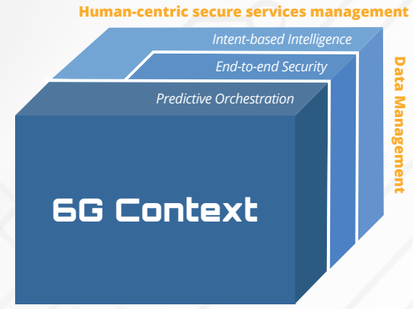
horse-6g.eu

ARCHITECTURE

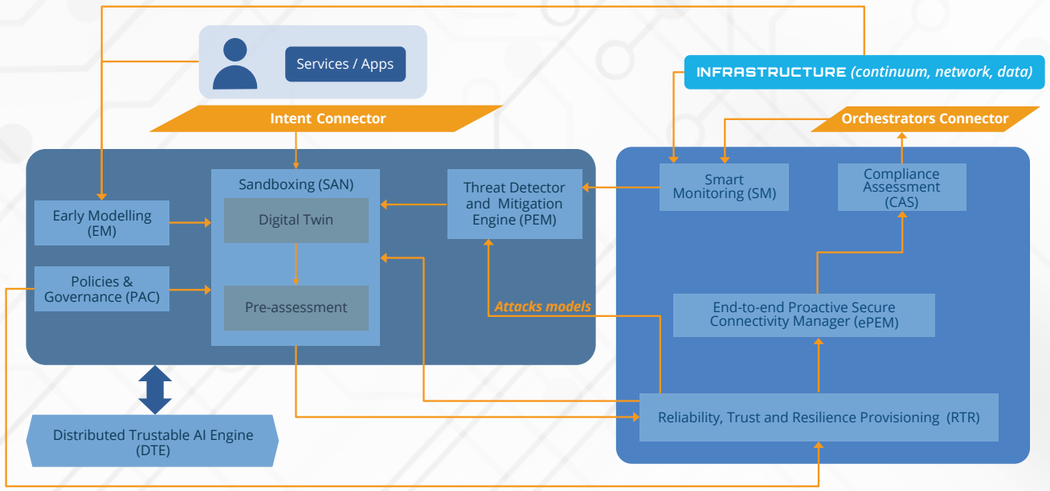
Key Technologies & System Architecture



Architectural blocks in the 6G context



Components and their interaction



USE-CASES

Secure Smart Light Rail Transit Systems

Management and orchestration, with high availability, of several systems, applications and end-to-end services, supported by equipment on tram stops, trams and in the Command Center.

Remote Rendering to Power XR Industrial

Multiuser collaboration allows Industry 4.0 to solve complex issues efficiently, giving them the opportunity to meet in a virtual common space to collaborate and share virtual 3D objects.