

## Hybrid Core BV Company Profile

Da Vincielaan 1, 1930 Brussels, Belgium

Hybrid Core is a Belgian deep-tech company developing **sovereign, AI-native decision-intelligence platforms** for governments, international organisations, and enterprises operating in complex and mission-critical environments.

At the core of its technology portfolio is **Smart Navigator** – a unified decision-intelligence platform designed to help organisations **understand, anticipate, and act** in rapidly changing operational contexts.

### Smart Navigator Platform

**Smart Navigator is an integrated decision-intelligence ecosystem** that brings together:

- Real-time multi-source data fusion
- Semantic and ontology-driven reasoning
- Hybrid AI (semantic, neural, and agentic)
- Multi-agent simulation and digital twins
- Embedded cybersecurity and trust mechanisms

Within a single platform, Smart Navigator enables mission owners to:

- Build a coherent operational picture from fragmented data
- Reveal hidden patterns, dependencies, and risks
- Rehearse complex scenarios before acting
- Execute informed, auditable decisions across domains

Rather than treating data, analytics, simulation, and security as separate tools, Smart Navigator **connects them into a continuous intelligence and decision loop**.

### Modular Capability Layers

Smart Navigator can be deployed as a full platform or through **standalone, interoperable modules**, depending on mission needs:

#### Intelligence & Knowledge

- **FusionX** – Foundational layer that combines real-time data fusion, semantic enrichment, and ontology-driven reasoning across structured, unstructured, geospatial, sensor, and operational data
- **NetCortex** – Network and relationship intelligence revealing structures, influence patterns, vulnerabilities, and dynamic dependencies
- **AxionIQ** – Cognitive analytics combining BI, generative AI, and agentic insights for automated reporting and decision support

#### Spatial & Situational Awareness

- **Focus Vision** – A dynamic geospatial intelligence environment transforming static maps into predictive, interactive decision spaces

## Simulation & Foresight

- **Synth-Terra** – A multi-agent synthetic-world simulation engine for crisis modelling, wargaming, forecasting, and stress-testing strategic options

## Security & Trust

- **Q-Sentinel** – Post-quantum security delivering cryptographic agility, sovereign key management, zero-trust enforcement, and long-term resilience

Each module can operate independently or integrate seamlessly into the Smart Navigator platform.

## Sovereignty, Security & Standards by Design

Hybrid Core solutions are engineered for **high-assurance and sovereign environments**.

- Full support for **on-premise, hybrid, sovereign cloud, and air-gapped deployments**
- Customer ownership of data, models, and cryptographic keys
- Explainable AI and auditable decision paths

The platform is architected to align with **EU regulatory frameworks** (including GDPR, AI Act, NIS2, CER), as well as **international cybersecurity and defence standards** (NATO, NIST), supporting long-term operational assurance and regulatory compliance.

## Deployment Model & Markets

Hybrid Core is a **software platform company**.

Solutions are delivered through **certified system integrators and industrial partners** who deploy, integrate, and support customers in regulated and mission-critical environments.

Hybrid Core technologies are used across:

- Defence and security
- Public safety and crisis management
- Energy, transport, and critical infrastructure
- Finance and strategic industry
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The company works with partners and mission stakeholders across **Europe, the Middle East, Africa, the UK, and North America**.

Hybrid Core helps organisations **see complexity clearly, rehearse the future safely, and act with confidence** – enabling strategic autonomy and decision superiority in an increasingly unpredictable world.

 <https://hybridcore.eu>

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