speedcast

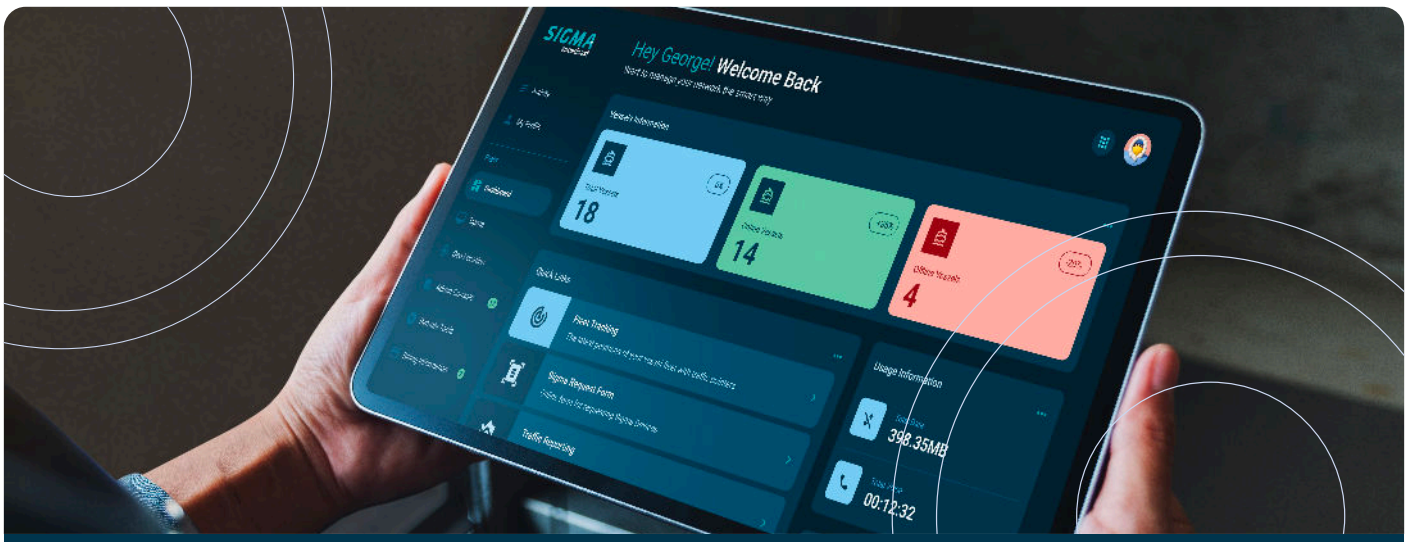
SIGMA ECOSYSTEM

AI-Driven Edge Intelligence for Anywhere Communications

Speedcast SIGMA is a cloud-native, AI-powered edge platform that transforms how organizations connect, manage, and optimize distributed operations.

By combining multi-path connectivity, edge intelligence, and AI-driven automation, SIGMA delivers real-time visibility, adaptive control, and seamless orchestration across remote sites—empowering businesses to operate smarter, faster, and more efficiently at the edge.

Revolutionizing the way businesses experience 'always on'



Operate Anywhere with resilient, hybrid connectivity	Think at the Edge with AI-powered intelligence	Act Automatically with policy-based orchestration	Scale Instantly across thousands of remote sites

Why Edge AI Matters

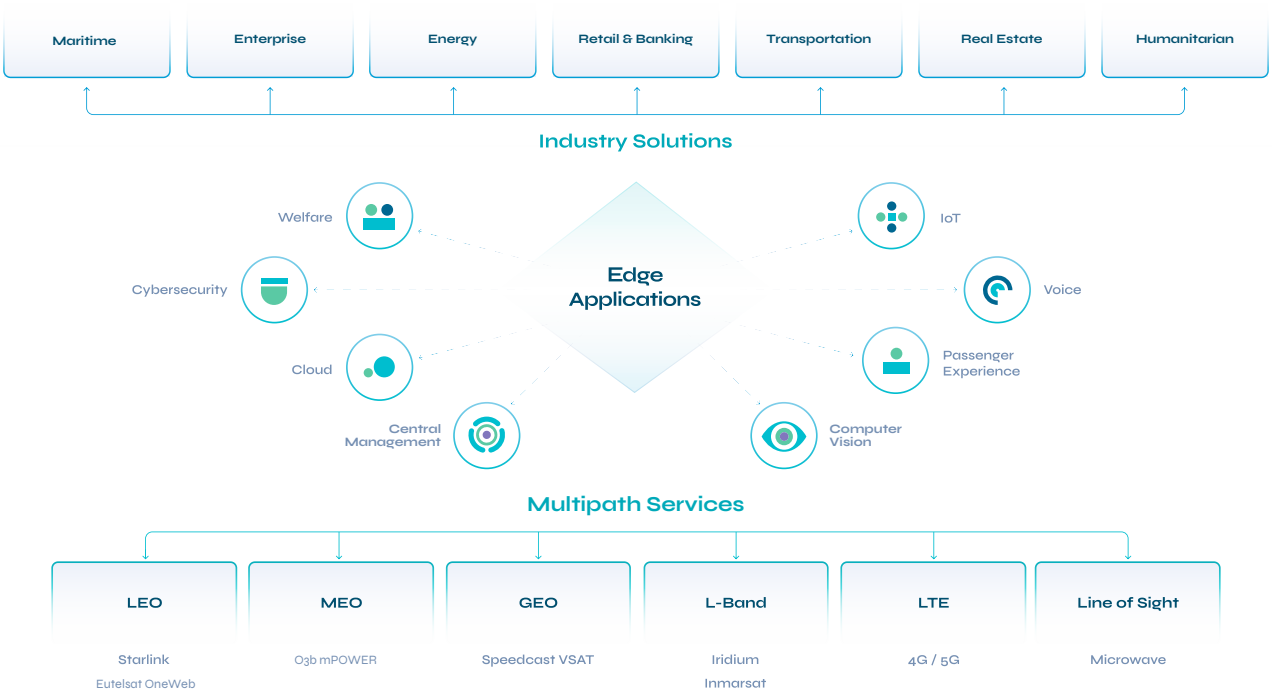
Traditional architectures rely on centralized data processing, resulting in latency and inefficiencies.

SIGMA's Blended Edge AI:

- Streams and processes data in real-time
- Enables predictive and automated decision-making
- Eliminates manual data aggregation
- Optimizes bandwidth and application performance dynamically

aws Qualified Software

A Fully Integrated Ecosystem Designed for Every Industry



AI-Driven Path Optimization

Patented SIGMA Blended Edge AI dynamically selects the optimal connectivity path based on real-time conditions, ensuring maximum uptime, performance, and cost efficiency.

Edge Intelligence & Real-Time Decisioning

Process and analyze data directly at the edge with AI-powered insights that enable:

- Instant decision-making
- Reduced latency
- Lower dependency on centralized cloud systems

Cloud-Native Edge Orchestration

Automate deployment, updates, and lifecycle management of applications and devices across thousands of endpoints using centralized orchestration.

Unified Data Platform

SIGMA eliminates fragmented data silos by providing a single source of truth, enabling real-time analytics and improved operational intelligence.

Multi-Path, Multi-Orbit Connectivity

Seamlessly integrate multiple connectivity technologies into a single, resilient network environment, all managed through a unified SD-WAN platform:

- LEO (Starlink, OneWeb, future Amazon Leo)
- GEO / MEO satellite
- Cellular (4G/5G)
- Fiber/LTE

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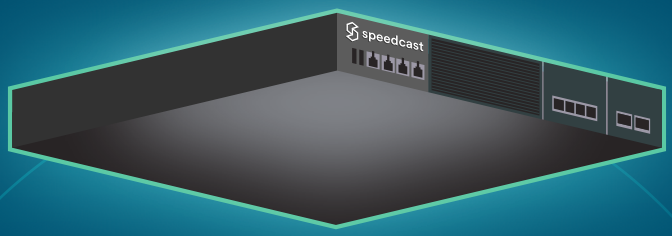
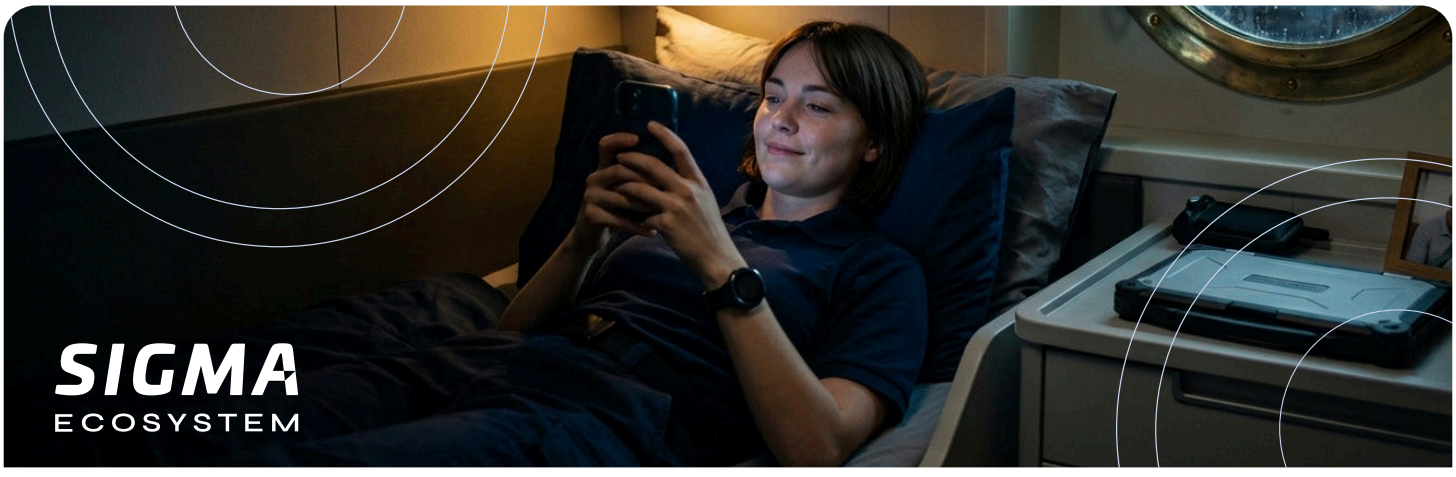
Options That Fit Your Business

Our advanced SIGMA platform delivers multi-layered, intelligent management that goes beyond connectivity, integrating networking, cybersecurity, edge computing, and application performance into a unified solution for vessels and remote sites.



FEATURE	SIGMA EON	SIGMA EXPRESS	SIGMA ESSENTIAL	SIGMA ENTERPRISE	SIGMA ELITE
	Lightweight edge networking for IoT with secure direct internet access and basic routing capabilities.	Rugged, mobility-focused edge solution delivering multi-path networking and SD-WAN intelligence on the move.	Simplified intelligent edge with core SD-WAN features and real-time visibility for straightforward remote operations.	Advanced edge orchestration platform enabling AI-driven networking, automation, and scalable operations.	High-performance edge AI and compute platform combining GPU acceleration, virtualization, and ultra-high-bandwidth connectivity.
Application	IOT/ Private Network Interconnect	Mobility	SD-WAN	SD-WAN + Edge Compute	Full SD-WAN + VM
SIGMA Dashboard			✓	✓	✓
Telephony / Crew / OBM			✓	✓	✓
NAT IP Address	✓	✓	✓	✓	✓
Direct Internet Access (DIA)	✓	✓	✓	✓	✓
Firewall	Basic Firewall	Next-gen Firewall	Next-gen Firewall	Next-gen Firewall	Next-gen Firewall
SD-WAN WAN	WAN DIA Fallover	Multi-path link switching	Multi-path link switching	✓	✓
Larger Virtualized Payloads					✓



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SIGMA ECOSYSTEM

STARLINK AUTHORIZED INTEGRATOR & RESELLER

EUTELSAT ONEWEB EUTELSAT GROUP

Achieving Intelligent Offshore Operations

How AI-driven edge orchestration and multi-orbit connectivity enable real-time drilling operations, safety, and efficiency at sea

Customer Success Story

Customer Needs

As a leading offshore drilling contractor operating advanced semi-submersible rigs in the North Sea and Barents Sea, COSL Drilling Europe requires highly reliable, high-performance connectivity to support mission-critical operations.

With increasing demands for digitalization, remote operations, IoT monitoring, and crew welfare, COSL needed a solution that could:

- Deliver consistent, high-bandwidth connectivity in remote offshore environments
- Support real-time data transfer between rigs and onshore data centers
- Enable safe, efficient, and low-carbon operations
- Ensure application performance prioritization for operational and safety systems

> "Enabling remote operations depends on predictable, high-quality connectivity. Together with Speedcast, we have prioritized data integrity and application service quality so that traffic required to perform true remote operations receives the right priority."
>
> **IT & Communications Manager**

Speedcast Solutions

Speedcast deployed an advanced hybrid, multi-orbit connectivity solution powered by SIGMA's intelligent edge platform, integrating:

- Starlink Global Dedicated Service for ultra-high bandwidth
- Eutelsat OneWeb LEO services
- Ku- and C-band VSAT
- LTE, line-of-sight, and Iridium Certus for resiliency

All connectivity layers are unified through SIGMA's AI-driven edge orchestration, which:

- Enables intelligent path selection and application-aware traffic steering
- Performs real-time load balancing across multiple networks
- Provides centralized visibility and control across the fleet
- Seamlessly connects rigs to Speedcast's global MPLS fabric and COSL data centers

1.6 Gbps PEAK SPEED

MULTI-ORBIT EDGE AI NETWORK

Results

- Maximized uptime across the fleet, ensuring uninterrupted offshore operations
- Up to 1.6 Gbps download / 400 Mbps upload speeds with Starlink Dedicated Service
- Reduced latency and packet loss, improving application reliability
- Enhanced remote operations and real-time decision-making through continuous data flow
- Improved safety and operational efficiency via prioritized traffic for critical systems
- Better crew welfare experience with high-speed connectivity onboard

By leveraging SIGMA's edge intelligence and AI-driven traffic orchestration, COSL can dynamically optimize network performance while supporting data-intensive drilling applications, IoT monitoring, and cloud integration.