CGI OpenSea360

Streamlining your craft and crew, empowering your mission capabilities

CGI OpenSea360 is a maritime mission system which unifies and simplifies complex data into clear, actionable insight. This enhances mission success by increasing crew efficiency, effectiveness and performance across demanding maritime operations.

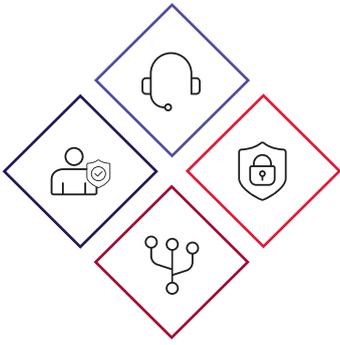## The secure connected mission system for maritime operations.

CGI OpenSea360 delivers real-time intelligence, seamless systems integration and human-centred control, acting as a digital core for maritime craft. Tailorable for fast patrol craft, Search and Rescue (SAR), security, naval operations and scalability.

The modern maritime challenge:

Operators need integrated mission systems that support complex missions, smaller crews, strong cyber assurance and interoperabiltiy.

The CGI OpenSea360 solution

A user-centric high-performance mission system tailorable to your precise requirements. CGI OpenSea360 securely delivers the information you need exactly when and where you require it, unifying multiple systems onto one intuitive user interface.

Why is it different?

CGI OpenSea360 system **empowers operators** by **integrating across domain** systems to deliver **protected** information through intuitive, **human centred design** with no vendor lock in.

Empower operators
Performance & certification

The system delivers real-time situational awarenss intelligence from multiple sources, shaped from over a decade of research and operator feedback. Its validated performance improves decision speed and crew efficiency, supported by Mini-ECDIS and SV-ECS certified navigation for safe, precise mission operations.

Integrate across domains
Interoperability & open architecture

Built on open, hardware-agnostic architecture, CGI OpenSea360 seamlessly connects navigation, communication, sensor, and mission-management systems on board and across platforms. It fuses multi-domain data, including AIS, radar, EO/IR and C4I/C4ISR feeds into a coherent operational picture which delivers full command and control on a single interface.

Protect the mission
Cyber security & assurance

The system has cyber resilience engineering at its core, protecting communications and platforms in contested environments through a Secure-by-Tailor framework that embeds assurance at every level. NCSC-recognised and MISRA-compliant, the system aligns with NATO frameworks with validation through live stress and resilience testing for defence-grade reliability.
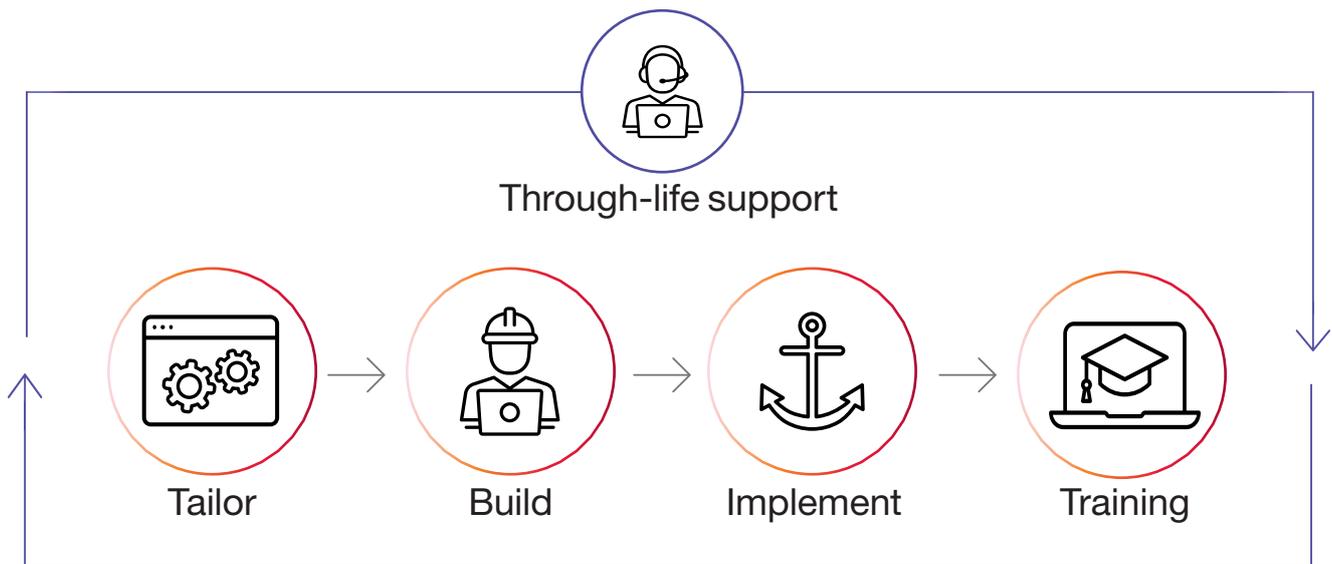
Human centred design
User validation & compliance

Refined through over a decade of user research, the interface is purpose-built to present information exactly when and where it is required, reducing workload and ensuring rapid comprehension during complex missions. This ergonomic, user-driven design accelerates crew acclimatisation, minimises training requirements, and enhances overall mission performance.

We partner with you to tailor, implement, and sustain a mission system that best fits your unique craft and operations at sea.

Through-life support

Tailor → Build → Implement → Training

Tailor
- Collaborative mission and requirement analysis.
- Vessel layout and crew workflows aligment.

Build
- Configuration of CGI OpenSea360 to platform specific requirements.
- Secure-by-Tailor software and open, hardware-agnostic integration.

Implementation
- Installation planning and support alongside shipyards and refit partners.
- Harbour and sea trials, including performance and resilience validation.

Training
- We provide tailored role-based training to ensure crews can operate CGI OpenSea360 effectively from day one.
- Training can be delivered on request, aligned to mission and operation requirements.

Through-life support
CGI OpenSea360 sustains performance, resilience, and compliance with our through-life customer support ensuring your mission system remains future ready.

- Preventative health checks and performance monitoring.
- Fault investigation and resolution support.
- Configuration management and documentation control.

- Cyber security updates aligned to evolving threats and standards.
- Integration of new sensors, subsystems, and mission applications.
- Obsolescence management to reduce lifecycle risk and cost.

Mission outcomes from having CGI OpenSea360 on board.

1 Faster, more accurate decision-making

By presenting only the most relevant data at the right time, OpenSea360 reduces delay and ambiguity in critical moments.

2 Reduced cognitive and physical workload

Its single-interface tailor eliminates constant screen switching and minimises operator fatigue during long or intense missions.

3 Improved safety and resilience

Redundant architecture and cyber-secure tailor maintain capability even under system failure or digital interference.

4 Future-ready architecture

Open architecture allows new sensors, subsystems, and mission applications to be integrated with minimal effort and without expensive vessel-wide refits.

About CGI

Insights you can act on

Founded in 1976, CGI is among the largest IT and business consulting services firms in the world.

We are an IT Systems Integrator working to advise, build and operate user-centric, technically complex, mission-critical information systems. Bringing innovation to our clients using proven and emerging technologies, agile delivery processes and our expertise across space, defence, intelligence, aerospace and maritime, all underpinned by our end-to-end cyber capability.

For more information

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