



CGI OpenSea360
Streamlining your
craft and crew



CGI OpenSea360 - the mission system for high speed craft, empowering crews to undertake highly complex missions safely, effectively and independently.

CGI OpenSea360 makes your craft and your crews more effective. Sitting at the heart of your operations, it links key on-board and off-board systems via a secure, redundant network.

It puts critical mission information, navigation data, local situational awareness, official charts, additional data layers and platform systems information at crews' fingertips, enabling them to control multiple capabilities in one place.

Whether you are building, buying or upgrading a sophisticated small craft, we will help you implement, configure and operate CGI OpenSea360 to get the most out of your capability.

At the heart of your vessel

CGI OpenSea360 is the nerve centre of your vessel. Thanks to its open architecture and secure, redundant network, it links together on-board and off-board systems from your chosen vendors. This helps reduce the weight and complexity of your boat.

Exceptional situational awareness to enable better decision-making

Making informed decisions during complex missions requires crews to know where they are, how their craft is performing, and what is happening around them. As the nerve centre of your capability, CGI OpenSea360 provides a unique level of situational awareness.

Its specially designed interface mitigates the impact of sea conditions and puts the right insights in front of the right people at the right times, minimising the cognitive load on busy crews. This empowers you to provide your crews with the information they need to make well-informed decisions.



A high-performance mission system that we tailor to your precise needs, intelligently designed to put the right insights and capabilities in front of the right people at the correct times.

Control multiple systems in one place

As well as informing your crews, CGI OpenSea360 provides a single interface through which they can control multiple on-board and off-board systems. This improves operational flexibility, saves space on your console and keeps your teams safer by minimising the need to leave their seats.

It is scalable from a single display electronic chart system (ECS) to a multi-display fully integrated navigation and situational awareness system combined with platform management and monitoring of engine systems and controls, onboard services and communications.

Command and control with C4ISR integration

CGI OpenSea360 integrates with your wider command, control, communications, computers, intelligence, surveillance and reconnaissance (C4ISR) capabilities.

Pull in data such as tracks and video from a central C4ISR system and display it to crews, while feeding back information from CGI OpenSea360 to your central C4ISR function.



CGI OpenSea360
is the nerve centre
of your vessel.

Reliable and resilient

CGI OpenSea360 is hardware-agnostic, giving you the freedom to choose components that will stand up to the demands of your missions.

Sometimes, things can go wrong. If a component fails, the system's redundant design and replication of key data minimises the impact on your capability.

Assured data-protection

CGI OpenSea360 is designed to protect your data to level that meets your unique requirements.

It is underpinned by a highly configurable Linux operating system and includes:

- Role-based permissions, enabling you to share information on a need-to-know basis
- Optional encryption, to protect sensitive data
- Support for removable drives, so you needn't leave data unattended

In addition, systems and on-board cabling can be separated and screened, minimising the risk of compromising data security and integrity.

Consequently, CGI OpenSea360 can be set up for use in the most secure environments and to achieve security accreditations.



Choose
components that
will stand up to the
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missions.

High performance as standard

Exceptional situational awareness demands a high performance system, able to handle large volumes of fast moving data in real-time.

No two implementations are the same, and because CGI OpenSea360 is hardware-agnostic, we help you select equipment capable of meeting your performance requirements.

Future-ready to maintain your edge

New technology is emerging all the time. Quickly adding ground-breaking or upgraded capabilities to your craft is essential if you're to remain at the forefront. CGI OpenSea360's open architecture empowers you to do this with minimal effort.

Working with you at every step of the journey

Your mission system sits at the very heart of your challenging operations. We work with you as a partner, to design, implement and support the right capability.



We help you
select equipment
capable of meeting
your performance
requirements.



Designing a mission system that genuinely meets your needs

Firstly, we'll understand your requirements. We draw on our deep expertise of small-craft mission systems to ask the right questions and challenge assumptions.

This enables us to create you a hardware and software solution that meets your requirements, gets the absolute most from your budget and fits your wider boat procurement, build or upgrade programme.

Use official chart data

We are an IHO-accredited manufacturer of S-63 compliant ECS products.

This means you can access official chart data from your national hydrographic office in complete confidence.

Implementing your mission system

Drawing on our extensive hardware market knowledge, we'll choose components suitable for your craft and missions. We'll help integrate these into your boats. In addition, we will get everything configured to meet your unique needs.

Training

We train your teams in how to use CGI OpenSea360 effectively, coming out on the water with you to get everyone up to speed.

Through-life support

Once your mission system is live, we'll be there to support you, either directly, or via your existing support organisation.

This can include:

- Periodic health checks to ensure the system is meeting your needs
- Configuration refinements in response to crew feedback
- Component and capability upgrades
- Supply of spares
- Obsolescence management
- Problem diagnosis

All of this gives you peace of mind that your mission system can be relied on and can evolve with you as your needs and technology develop.

A high performance mission system you can trust

- At the heart of your vessel
- Exceptional situational awareness to enable better decision making
- Control multiple systems in one place
- Command and control (C2), with C4ISR integration
- Reliable and resilient
- Assured data protection
- High performance as standard
- Future ready
- Training provided
- Through life support



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 a true IT Systems Integrator. We work tirelessly to advise, build and operate bespoke, technically complex, mission-critical information systems which help our clients keep us all safe and secure.

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