

# ORiON GATE



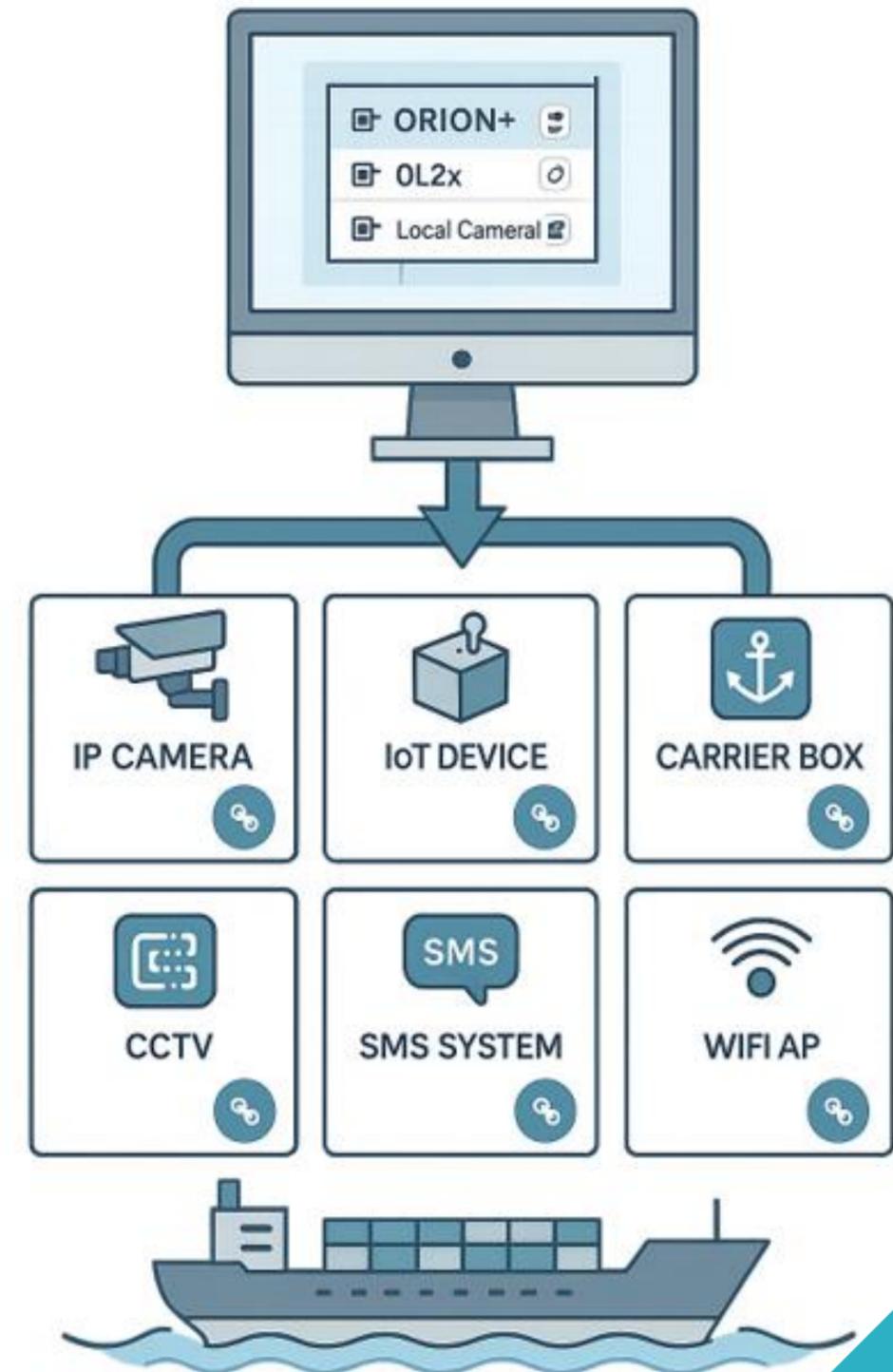
ORCA CO., LTD.  
Simple & Effective



# Overview

**ORiON GATE** is a next-generation solution that enables secure shore-based access to shipboard broadband systems utilizing VSAT/FX, LEO satellite, and 4G/5G connections.

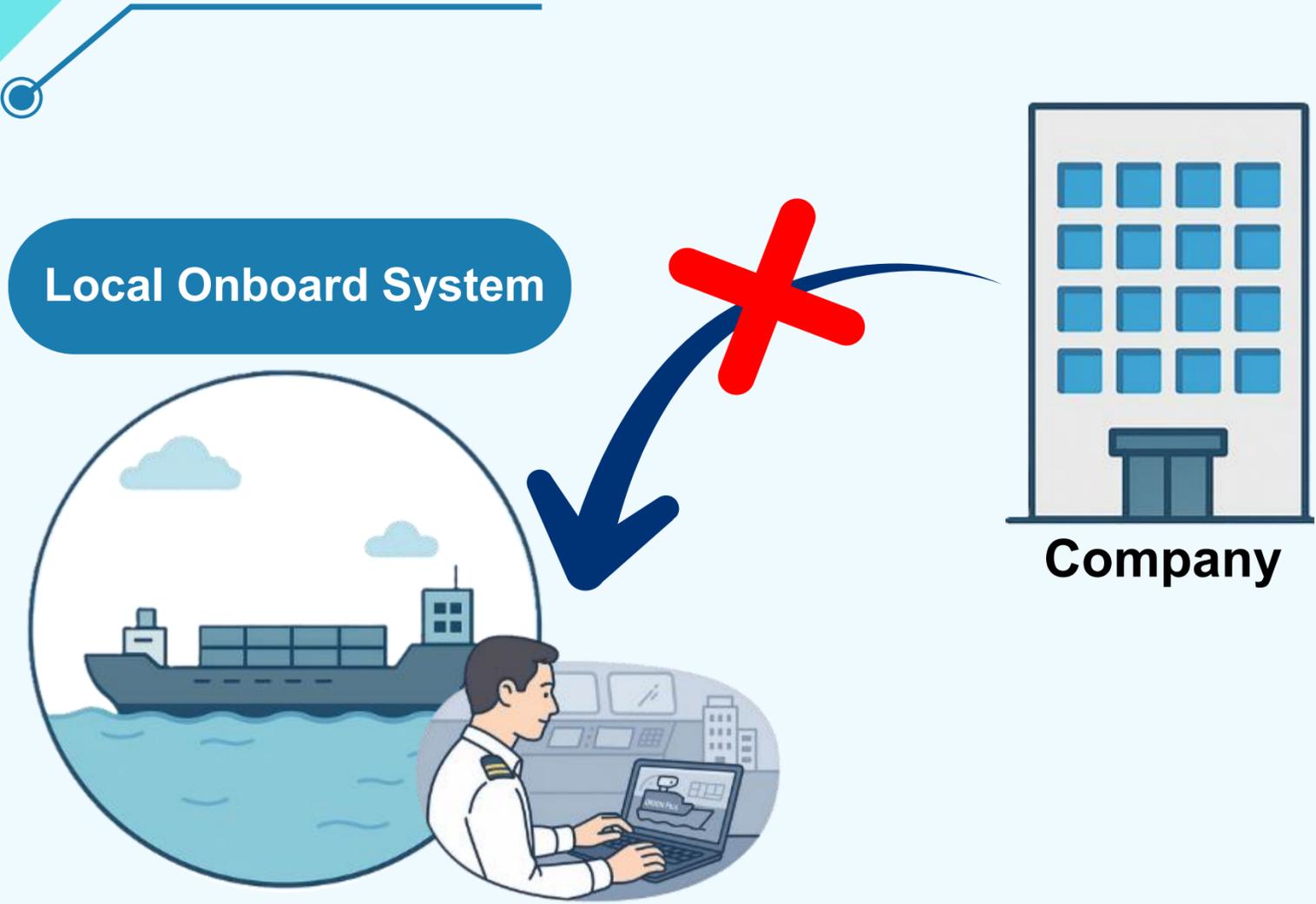
By linking the onboard ORiON Plus with our ORiON Cloud platform, this service delivers a secure and efficient environment for accessing various IT devices on the shipboard network.





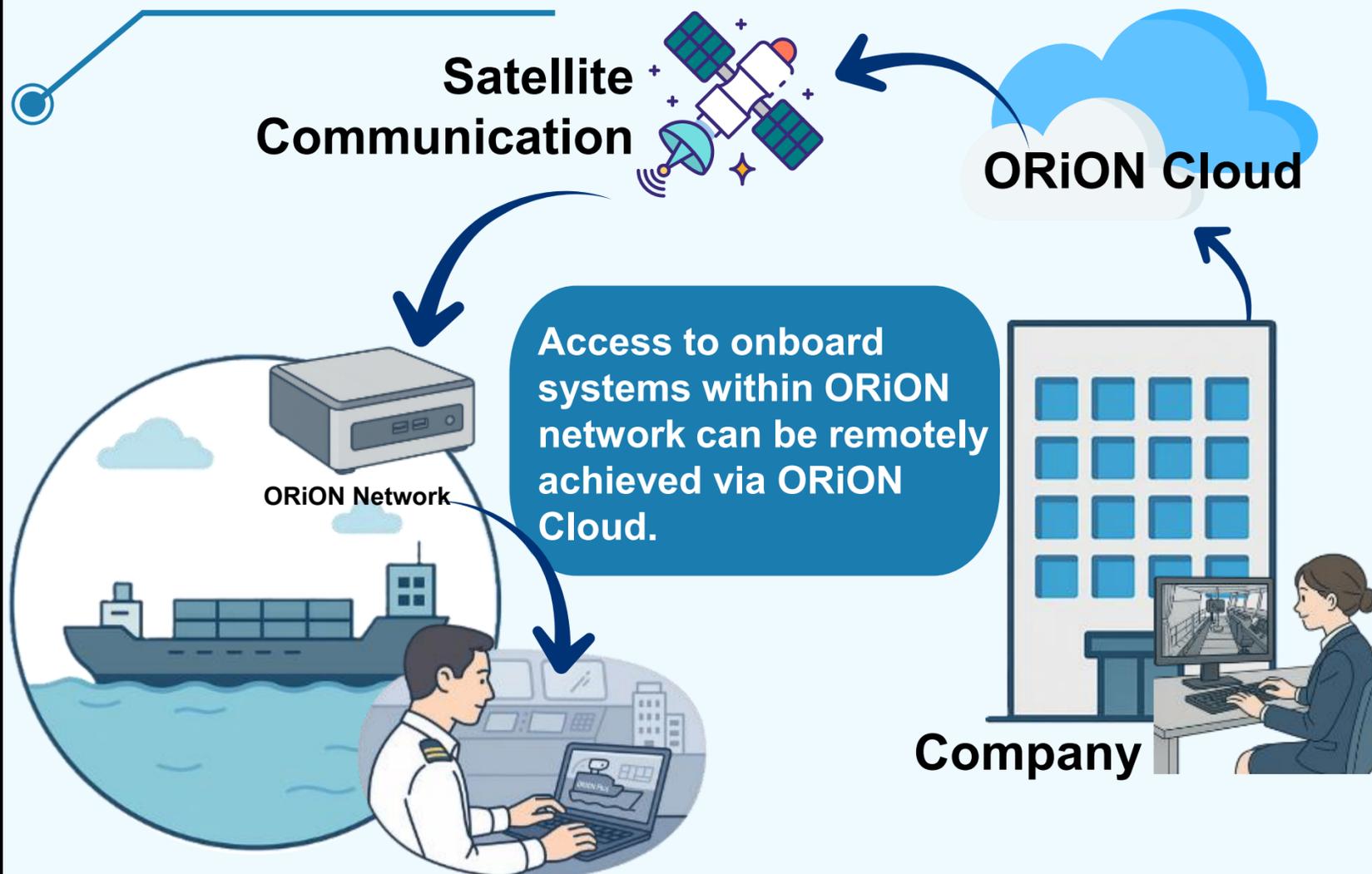
# From Local to Global Access

## Traditional Method



**Local access only.**  
Access is limited to vessel's local network.

## With ORION GATE



**Enables global access.**  
Even systems not cloud-connected can be accessed from shore *securely*.



# (1) Surveillance System Access

**Enables remote access to surveillance cameras installed onboard.**



Real-time video viewing.



Remote control of cameras and retrieval of recorded data from shore.



Compatible with almost all models of web cameras and video recorders.





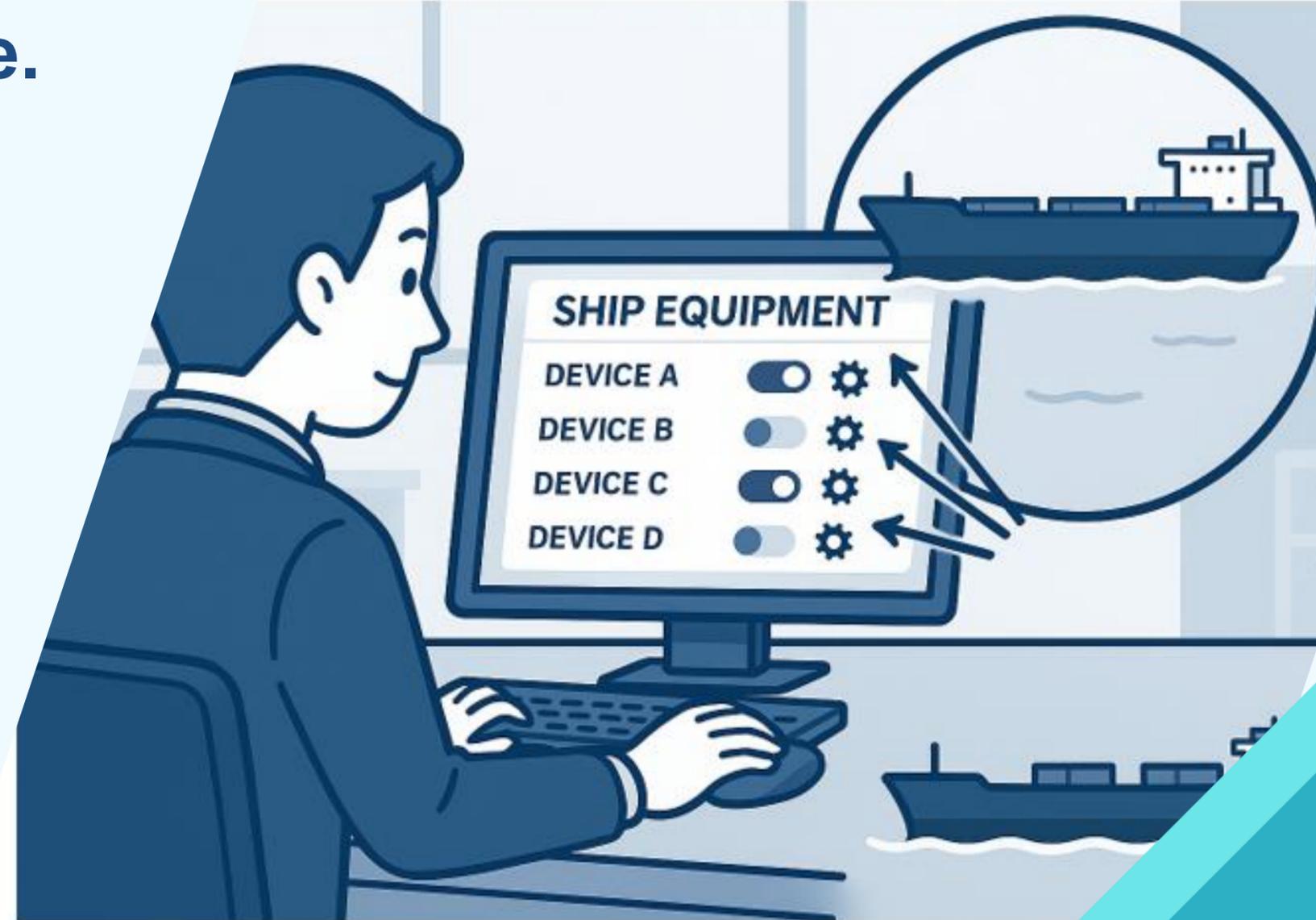
## (2) Web-Interface Device Access

Onboard devices equipped with web interfaces are remotely accessible.

### EXAMPLE

- FBB Management Console
- NAS Management Console
- Router Management Console
- SMS Software Server
- Ship Operation Data Display
- ...etc.

*Support both monitoring and operation.*



When remotely accessing devices connected to OT (Operational Technology) systems, compliance with the IACS (International Association of Classification Societies) UR E26 and UR E27 must be considered.

Accordingly, any target device must conform to or be certified under IACS UR-E27 before connection.

Please ensure that the certification status of the target devices has been verified prior to implementing ORION GATE.



# (3) Display Screen Access

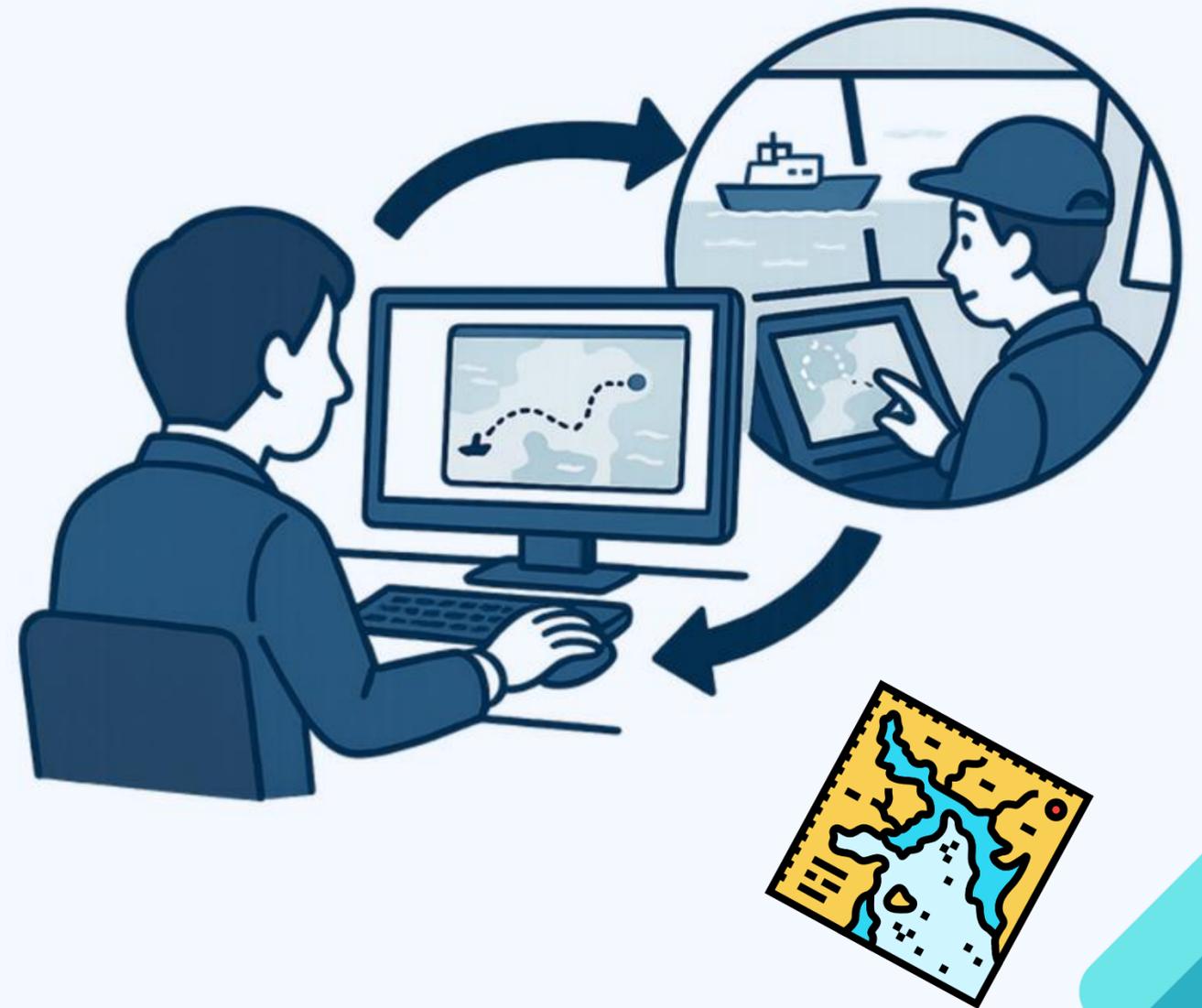
Provides access to various onboard equipment's display screens.



Viewing only;  
Operation is not supported

## EXAMPLE

- ECDIS Screen
- ECR Screen
- Radar Screen etc.



“  
✓ A dedicated interface device will be installed and connected to the equipment's display.  
✓ Since access is limited to screen output only, it does not conflict with IACS UR E26, E27 requirements.  
”



# Real-Time Visibility

Instead of relying on periodically transmitted historical data, ORION GATE enables immediate monitoring and control of the vessel's current status. It allows users to check real-time operational conditions and the status of communication equipment directly from the office.



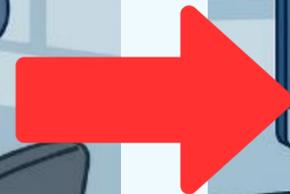
**CHECK THE SHIP'S STATUS  
IN REAL TIME**





# Enhanced Security

- Access through ORiON GATE is routed via ORiON+ Cloud with enforced security controls.
- Two-factor authentication (2FA) is implemented for connections to ORiON+ Cloud, preventing unauthorized access by third parties.
- Any onboard systems to be connected must be registered in advance, and access rights can be controlled according to user privileges.





# FAQ



## How much data traffic is generated when accessing the vessel?

Data usage is generally equivalent to normal web browsing. When viewing video streams, additional data consumption will occur depending on the size and quality of the video.



## What differentiate ORiON GATE from TeamViewer?

TeamViewer enables direct remote control of an onboard PC, which carries the risk of unintended operations and raises security concerns. Additionally, keeping TeamViewer running continuously exposes the system to unauthorized access risks by anyone who knows the ID and password.

In contrast, ORiON GATE allows access only to pre-registered devices with strictly limited operation scopes, offering a higher level of safety. ORiON GATE routes access through ORiON+ Cloud, where two-factor authentication (2FA) is mandatory, providing significantly stronger security.



# FAQ



## Does data traffic occur even when there is no access to the vessel?

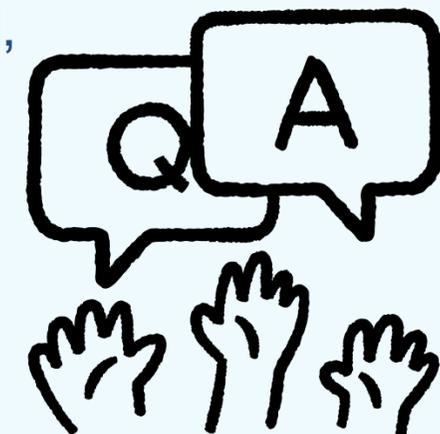
No. When no access sessions are active, no data traffic is generated.



## How is this different from connecting via a company VPN?

A VPN connection allows reverse access from the vessel to the company network, which poses potential security risks.

ORiON GATE, however, uses a one-way communication flow from shore to vessel, ensuring that the company network cannot be accessed from the vessel side.





# Pricing

**ORION GATE** is offered as an additional service within N-OASYS, our vessel network maintenance program, and is available to customers subscribed to Class B, A, or S contracts.

**ORION GATE**

Class-B

Class-A

Class-S



# Contact & Support

For inquiries, please contact us at the following number and address.



## Contact Us



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