



Integrated Bridge Classroom Training System (IBCTS)



Realistic, Scalable, Mission-Ready

Train like you operate

OSI Maritime Systems' Integrated Bridge Classroom Training System (IBCTS) delivers a cost-effective, plug-and-play training solution that mirrors the operational Integrated Bridge Navigation System (IBNS) used on the bridge of your warship. Designed for both operators and maintainers, IBCTS enables immersive and risk-free training.

Key Features & Benefits

Real-World System Architecture

IBCTS replicates live IBNS software, data flow, and hardware configurations, offering a fully authentic, hands-on experience.

Dual-Role Training

Train operators in modern navigation fixing methods, chart maintenance, and route planning—even in GNSS-denied scenarios. Meanwhile, maintainers develop diagnostic and repair skills to keep systems mission-ready.

Safe & Controlled Learning

Instructors can quickly reset the system to its baseline, allowing repeated practice without operational risk or downtime.

Comprehensive Maintenance Simulation

Hands-on training includes SEU management, ECPINS setup, switch configuration, DDU settings, and system imaging—everything needed to build technical confidence.



Centralized Instructor Control

One simulator processor connects all student stations, putting the instructor firmly in command for streamlined training delivery.

Realistic Fault Injection

Students confront and troubleshoot true-to-life faults using ECPINS diagnostic tools—sharpening problem-solving under pressure.

Customizable & Scalable

Supports up to 15 trainees at once. Ideal for onboarding new recruits or sharpening the skills of experienced personnel—no extra simulators or vessels are needed.

Shore-Based Operational Planning

Beyond training, IBCTS enables real-world route planning and data prep. Classroom workstations can transfer mission data directly to ship systems for seamless deployment planning.



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