SHIFT COASTAL TECHNOLOGIES

CiMS™

FIELD CONTROL STATION

The Field Control Station (FCS) is an integrated hardware solution for multi-domain autonomous platform and vehicle control (C2), with C4-ISR software-defined upgrade paths. Our integrated system hosts the CiMS™ software in the field and connects integrated hardware solutions to the CiMS™ cloud platform. The FCS provides data fusion for multiple rapidly deployable sensors, edge computing options, and IoT integrations. With the optional Advanced Communications Kit, the FCS can stand-up field communications for teams, and a band width aware backlink connection for remote management.

KEY BENEFITS

✓ **ENHANCE COMMUNICATION AND REACT SWIFTLY:** Close the gap between incident and response, improve in-field communications, and react quickly

✓ **INTEGRATE CRITICAL COMPONENTS:** Including vehicle operator, c2 links, autonomous systems, and payloads

✓ **CONNECT YOUR SYSTEMS:** Link unmanned aerial, surface and subsurface systems, multiple payload types, commercial sensors, and multiple vehicles inputs

✓ **MULTI-DOMAIN OPERATIONS PLATFORM:** Manage multi-domain mission operations platform for air, land sea

FEATURES

- High bandwidth, mesh capable secure radio links
- Real-time mission data visualization
- Low latency streaming for multiple video sources, air quality and other environmental data sensors
- Long battery life
- Up to 3 high resolution, 1200 nit daylight viewable screens
- Multiple power options—AC mains or DC battery/generator
- Highly accurate, assignable unmanned systems controls

APPLICATIONS

- Operational challenges for C4-ISR
- Inspection repair and maintenance operations
- Environmental management projects
- Multiple unmanned systems coordination
- Port and terminal operations.

PRODUCT SPECS

DISPLAY

Display	Single LG Display™ 19" HD Wide
Resolution	1440x900
Brightness	Sunlight Viewable // 1200NITS
Optional Add-On	2 x 1080 Displays

EMBEDDED PCs

Embedded PCs	OnLogic™ HX500 Intel Comet Lake, i3, i5, i7, i9

PERIPHERALS

Peripherals	Integrated Keyboard and Multi-Gesture Trackpad
GCS Layout	HOTAS (Hands On Throttle and Stick)
Flight Joystick	APEM™ Hall Effect // 3-Axis / 2-Top Buttom
Aux Joystick	2-Axis Payload/Gimbal Joystick
Switch Array	6-POS/3-POS/2-POS Guarded/2 Dials
Throttle	Precision Slider w/ Detent

SIZE

Size (L x W x D)	Pelican™ 1510 (22" x 13.81" x 9")