GREENSEA

OPENSEA Edge

INTRODUCING
OPENSEA Edge

Bringing true autonomy and edge computing to the seafloor

Open Architecture

Vehicle Perception
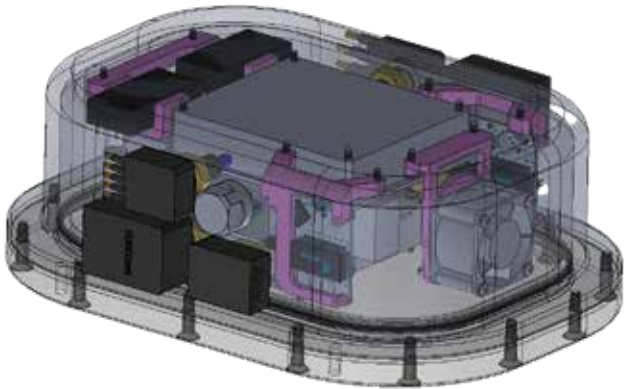
Autonomy

Vehicle Agnostic

Tetherless

Over-the-horizon Command & Control

Let us show you how **OPENSEA Edge** can deliver this capability to your vehicle.

Call 802.434.6080 or visit: Greensea.com/opensea-edge

OPENSEA Edge

OPENSEA Edge is a hardware and software technology framework that provides the computing resources needed to power perception systems and manipulators, and enables advanced autonomous behaviors, allowing for trusted human-on-the-loop autonomy and tetherless command and control over any subsea marine robotic platform.

Features

- Platform Agnostic
- Depth Rated 300m
- Dual NVIDIA Xavier AGX Processors
- Gigabit Ethernet backbone
- Load Balancing between processors
- Redundancy – Hardware and software
- Room for other commercial off-the-shelf AI and ML engines.

The OPENSEA Edge system is based on two NVIDIA edge processors and a Gigabit Ethernet network architecture while providing subsea connector interfaces for the robot, video sensors, sonar sensors, navigation sensors, and acoustic communications.

Software Included
*subject to change.

- OPENSEA Platform
- EOD Workspace
- Safe C2

Hardware Specifications
*subject to change.

- Bulkheads Connections qty x 7
- 1x Vacuum/Purge Port
- 1x 9-Pin Low Profile Bulkhead
- Comms & Power to Platform
- 1x 5-Pin Low Profile Bulkhead
- Dedicated Power Connector

Payload Expansion
- 3x 13-Pin Low Profile Bulkhead
- Gigabit Ethernet, Serial, Power
- 2x 9-Pin Low Profile Bulkhead
- 100BaseT Eth, Serial, Power

OPENSEA Edge

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Greensea.com/opensea-edge