



Autonomy Core

Simple, scalable, remote vessel control

The RAD Autonomy Core connects vessel propulsion and onboard systems to an IP network, enabling simple, reliable remote control without major modifications.

It supports IP connectivity via satellite, Wi-Fi, cellular, or peer-to-peer / mesh radios.

Built for marine environments, it is engineered for robust performance in demanding conditions.

One system. Complete control.

Installation is straightforward, with immediate operational capability. Standard interfaces integrate with existing propulsion, navigation sensors and onboard systems. This enables remote vessel control using current infrastructure.





Degree 3 autonomy capability

Enables fully remote vessel operation with no crew onboard through secure network-based control of propulsion and onboard systems.



Built for interoperability

An integrated communications layer enables optional connection to third-party systems for enhanced situational awareness. The core system remains the primary control and safety layer.



Dual control

When integrated with external autonomy systems, a built-in fallback ensures that if external systems fail, operators retain full remote control and can activate a “get me home” function.



Broad compatibility

Propulsion agnostic and compatible with both modern and legacy systems via standard gateways.



Flexible deployment

Modular configurations support different operational needs, from basic remote control to integrated system setups.

