The SnakeWays Concept

SnakeWays provides state-of-the-art connectivity services to every type of seagoing vessel. At the heart of the SnakeWays Concept are three core elements:

- **SnakeBox** – the shipboard router and application host

The SnakeBox provides the routing and application functionality on board the vessel. SnakeBox manages the interfaces between the shipboard IT and networks such as Starlink, OneWeb, INMARSAT, Iridium, VSAT and GSM.

The SnakeBox also acts as a host for a range of additional services that enhance the functionality of the system.

SnakeMail	Our fully-featured mail service
SnakeSwitch	Intelligent network switching with support for quotas
SnakeWall	Flexible, yet easy to configure firewall service
SnakeDoor	Remote network access, routing, and management
SnakeCrew	Crew, and guest services
SnakeTrack	Tracking, maps, geolocation, and more for your fleet
SnakeStore	Cloud-based message access and long-term storage

- **SnakeExtender** – additional ports for the SnakeBox

The SnakeExtender adds fully managed and controlled Gigabit ports to the SnakeBox. All circuits are configurable through the intuitive SnakeBox web interface as WAN, LAN, or Crew, each with its own IP configuration, firewall settings, and switching rules. SnakeExtender P also provides the best power over ethernet (PoE) capabilities in the industry.

- **SnakeCloud** – the shore-based management server

Meanwhile on the shore, a dedicated virtual server instance is assigned to each customer, the SnakeCloud. SnakeCloud provides system management, centralized configuration, reporting, and support services to the shipboard SnakeBoxes.

SnakeCloud and SnakeBox work together to form a state-of-the art platform for the SnakeWays services. In the background they exchange data, configuration and status information using very efficient real-time synchronisation protocols.

From the outset the SnakeWays concept was to design, develop and provide a service for seagoing vessels that minimised installation and configuration costs. With remote configuration via SnakeCloud the SnakeBox is truly "self-install" on board.

State-of-the-art, synchronised, self-reliant, secure, and cost effective.

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