

— MODULAR ONBOARD AUDIO NODE

The PA for safety. POD for onboard communication.

POD is Seafy's modular audio node: an audio channel per area, independent of the ship's native Public Address, in a unit that can also host sensors and cameras.

Everything depends on one ageing PA chain.

The Public Address is essential infrastructure, designed mainly for safety communication. When it is also used for music, information and commercial content, its configuration may not meet the needs of coverage, separate area management and the flexibility onboard services require.

01

Areas not designed for services

One broadcast for the whole ship: the same message everywhere, standardised.

02

Complex extensions

Adding new audio points to the PA can mean cabling, work on the installation and technical checks.

03

Safety and services on one infrastructure

Music and non-safety communication run on a system designed mainly for safety announcements.

— THE SEAFY SOLUTION

One node per area, with no change to the PA.

Seafy POD is an IP node installed in selected areas of the ship to play music and non-safety service communication. Each area can be addressed and managed separately. POD can run on its own or integrate with other onboard systems, without touching the existing Public Address.

- ✓ Audio areas managed individually
- ✓ Running standalone or integrated with other systems
- ✓ A modular unit, expandable with sensors and cameras

POD ZONES

Deck 8 · live

4 nodes



Reception

ANNOUNCEMENT IN PROGRESS



Lounge bar

MUSIC · 60%



Children's area

KIDS · 45%



Quiet lounge

MUTED

Three steps to activate new audio areas.

POD nodes are installed in the selected areas and connected to the ship's IP network. Areas, audio levels and priorities are configured in software, then music and communication are distributed from the console. The configuration can be changed over time without touching the existing Public Address.

01

Node installation

A POD node is installed in each area to be served, powered and connected to the onboard IP network.

02

Zone configuration

Areas, audio levels and priorities are defined in software according to the ship's needs.

03

Content distribution

Music, information announcements and commercial messages are routed to the selected areas from one console.

Far more than a loudspeaker.

Seafy POD starts as an IP audio node but can also carry sensors and cameras. Its distributed architecture turns every area into a potential data collection point and allows capability to be added over time, reducing the need for further infrastructure work.



Audio per area

Audio playback and amplification managed independently in each area.



Environmental sensors

Temperature, humidity and other parameters measured locally, area by area.



Optional cameras

Video modules for supervision and footfall analysis, where the design provides for them.



Expandable over time

New modules can be added later, reusing the node and the infrastructure available.

— AUDIO PER AREA

The right content, only where it is needed.

Seafy POD allows content and audio levels to be managed separately for each area of the ship. Music, service announcements, commercial messages or silence can be configured around the function and needs of each space, without changing the existing Public Address.

AUDIO MANAGEMENT BY AREA

Reception



Service announcements and information on boarding, departure and arrival.

Children's area



Dedicated content, at an audio level configured for the space.

Lounge bar



Music and promotional messages dedicated to the area.

Quiet lounge



No non-safety audio, while the PA's safety communication stays active.

From audio to data, area by area.

Fitted with optional sensors or cameras, each POD node can collect data from the area where it is installed and make it available over the ship's IP network. The audio infrastructure then also becomes a base for monitoring the spaces and analysing how they are used.

EXISTING PUBLIC ADDRESS

- ✗ Designed mainly for audio broadcast
- ✗ Configured around safety requirements
- ✗ Any extension requires work on the installation

POD WITH OPTIONAL MODULES

- ✓ Temperature, humidity and environmental parameters per area
- ✓ Use and footfall of the spaces, where the design provides for it
- ✓ New modules addable over time to the nodes installed

Two systems, two distinct functions.

The Public Address keeps its functions, priorities and certification for safety communication. Seafy POD introduces an independent IP chain for music and non-safety communication, managed separately area by area, without altering or interfering with the existing PA.



Existing Public Address

Safety communication

The certified system carries on handling safety announcements according to the priorities and procedures set on board.



Seafy POD

Service audio per area

Music, information, commercial messages and non-safety content are distributed to the selected areas over an independent infrastructure.

More onboard services, with no change to the PA.

Seafy POD can be rolled out step by step, starting from the priority areas and ships. The same architectural model can be extended to the fleet and configured to each vessel's characteristics, without touching the existing Public Address.



The PA stays untouched

New audio areas and non-safety services are activated without altering the certified installation.

2

Audio and data on one node

Each node handles the audio and can carry optional sensors and cameras.



Configurable in software

Areas, content and audio levels can be changed from the console, reducing work on board.

1

One model for the whole fleet

The same architecture is replicated and adapted to each ship's needs.

— THE NEXT STEP

Let us start with one ship, area by area.

We survey a first ship and identify the areas to serve, the content to distribute and any data to collect. We then define the layout of the POD nodes and a modular solution, extendable to the fleet step by step.

[Schedule a meeting](#)

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