



Search and Rescue

Support maritime operators

- Integrate mission data
- Coordinate multiple incidents
- Enhance domain awareness

Maritime

FREQUENTIS
FOR A SAFER WORLD

Clear workflows that help operators save lives

In an emergency, operators must act fast and with precision during chaotic, data-intensive situations. The Frequentis solution for Search and Rescue helps operators by giving them precisely the information and workflow support they need through an intuitive, highly graphical interface. As a result, operators can make the right decisions rapidly and efficiently, backed by integrated GMDSS-compliant operations.

Challenges in the Search and Rescue control center

Numerous systems

Operators must maintain a consistent workflow across multiple heterogeneous systems.

Siloed information

Vital information is often trapped in individual systems and can only be shared manually.

Under pressure

In an emergency, operators need a system that keeps up with their speed of thinking and the pace of inbound.

Competing demands

Flashing lights and alarm sounds vie for attention instead of highlighting critical information.

Limited or no interoperability between interfaces

Missions managed across disparate spreadsheets.

Low integration

Disconnected systems multiply management effort and costs.

Limited overview

Center managers lack mission information for performance analysis and further key insights.

Time-sensitive

Lack of on-demand information impedes rapid and effective decision-making.

The first few minutes in an emergency scenario are crucial to the final outcome. In order to save lives, Search and Rescue operators must extract a clear view of the incident from the initial uncertainty and then use established collaborative workflows to deploy and manage the appropriate actions.

In most Search and Rescue control centers, diverse and siloed systems are a drain on efficiency and agility. Legacy systems rely on highly skilled operators to spend time and effort executing these workflows through antiquated, non integrated tools.

To empower operators to work effectively, with local team members or with remote collaborators, including other organizations, control-center solutions should deliver a concise operational picture as soon as possible. They should also apply workflows without rigidly enforcing them, enabling operators to focus fully on making timely decisions.

The Frequentis Search and Rescue solution addresses these challenges, providing consistent, fully integrated, dedicated systems that offer context-sensitive information and intelligent assistance to Search and Rescue operators via intuitive graphical user interfaces.

Workflow clarity and control for operators

Frequentis offers flexible workflow support to Search and Rescue operators, helping them to focus on life-saving operations rather than managing diverse systems. Designed for at-a-glance understanding, the streamlined graphical screens bring the right information and tools to the user at the right time.

Search and Rescue solution offers the right tools at the right moment

Smart workflow support

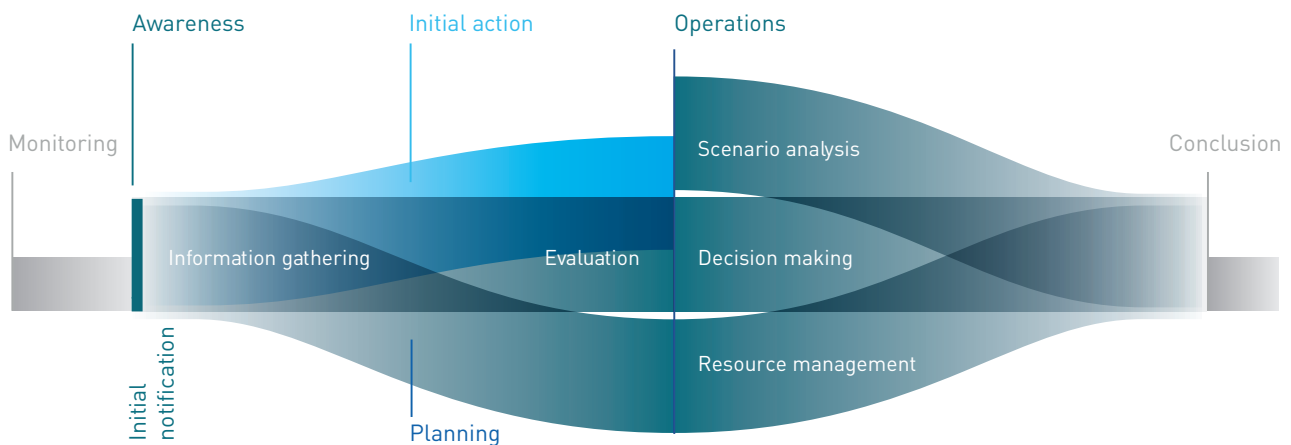
Helping individuals, teams, agencies and distributed centers achieve shared situational awareness and work together rapidly and efficiently to save lives.

Data visualization

Presenting key data – at the right level of detail – in easy-to-grasp graphical formats expedites understanding and eliminates stress-induced errors.

Open solution

The tightly integrated modular solution can be matched precisely to each center's needs and workflows, while remaining open to new functionality and expansion into other domains such as VTS.



From the swivel chair to the driver's seat

In many Search and Rescue control centers the proliferation of complicated and disconnected systems can make operators feel that their primary task is to serve the machines. The Frequentis solution is designed from the ground up to serve the operator – not vice versa.

It eliminates the need for operators to jump from interface to another. Dynamic operational assistance adapts the tools and menus according to context, putting the most likely options at the operators' fingertips for fast and efficient decision-making.

Seamlessly integrated visual workflow

To help Search and Rescue operators effectively sense, make sense, and act upon incoming information, the Frequentis solution presents the necessary information in a visually intuitive interface that is consistent and context-sensitive across all modules. Incoming and outgoing voice and data feeds are seamlessly converged to enable fast, clear communications at the click of a mouse.

The solution offers various interfaces to cover the demands of today's modes of communication. Selected information can be shared via social media channels to inform or to collaborate with the public.

Flexible and reliable support for mission- and safety-critical workflows

Seize the moment

When an alert reaches the Search and Rescue operator, the clock is already ticking. The solution dims potentially irrelevant windows and allows the operator to log the call and act immediately using the initial Actions Module. As they type, the system intelligently parses specific keywords and transforms them into structured, interactive objects, ready to be shared with other responders.

Take initial action

When the operator hits the 'distress' button, a distinctive visual indication on their screens shows team members and center managers that they are in 'incident' mode. The system parses further log details and maps the incident, pinning additional details and possible actions to the location. The operator can then easily dispatch appropriate assets, for example sending relevant information to base stations for the rapid deployment of rescue assets.

Maintain control

As the operator communicates with the deployed assets and local and remote colleagues, further log details are pinned to their on-screen avatars. Logs can be broadcast to all assets, and the system can automatically update their position and status on the asset planning screen. Dynamic lists of actions change according to context, helping the operator work faster and support team members in completing a successful rescue mission.



FREQUENTIS AG
Innovationsstraße 1
1100 Vienna, Austria
Tel: +43-1-811 50-0
www.frequentis.com

The information contained in this publication is for general information purposes only. The technical specifications and requirements are correct at the time of publication. Frequentis accepts no liability for any error or omission. Typing and printing errors reserved. The information in this publication may not be used without the express written permission of the copyright holder.