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A reliable Communication System means safe barriers and traffic at harbours

IHM Communication solution for SAILOR 6000 series of radios

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Introducton to

IHM Communication solution
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Challenges – harbour operations

Operation tasks

- Servicing of incoming and outgoing Vessel traffic
- Communication between vessels and landbase radios

Challenges

- Enlarged coverage range
- Multiple operation heads
- Multiple radio receivers
- Need for remote operation
- Need for central controlling

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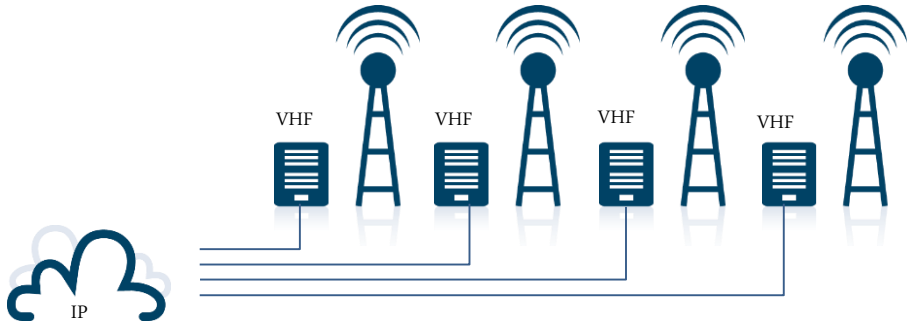
Solution - overview

Communication solutions for harbours - SAILOR

Operator position



Solution

- One central control station controlling up to 4 radios (stand-alone system)
- Integration of VHF (FM) and MF/HF radios
- Two-way communication system
- Group and one-to-one communication
- Radio coverage for larger geographical areas
- Push-to-talk feature
- Remote control of 4 radios
- Easy to install and operate
- 24/7/365 service and support

Features

- 1 central control centre
- All-in-One PC solution with touch function
- Customised IHM software for maritime systems (GMDSS compliant)
- Remote operation of SAILOR Radios (6000 series)
- Remote operation via IP Interface
- Interface for VHF and MF/HF
- Interface for analogue phone line
- Automatic recording and personal replay functions
- Automatic logging of activities

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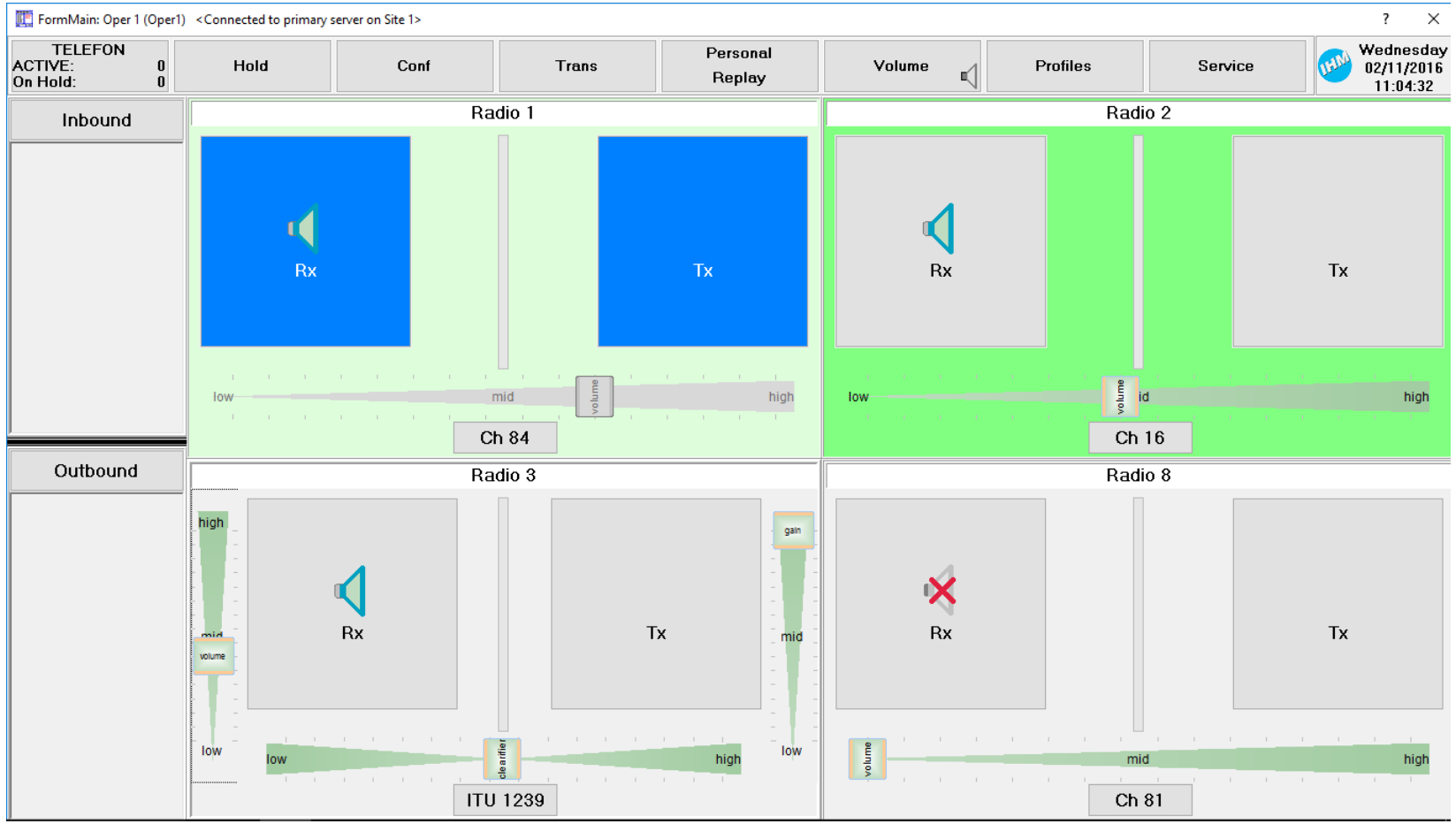

Main menu – operators screen

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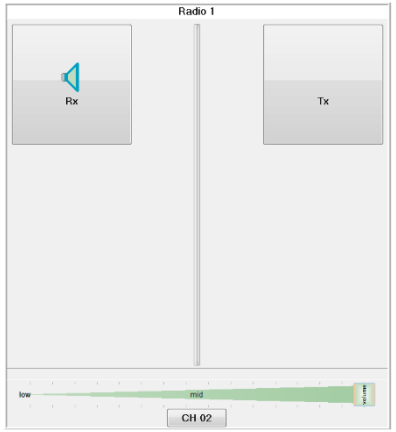
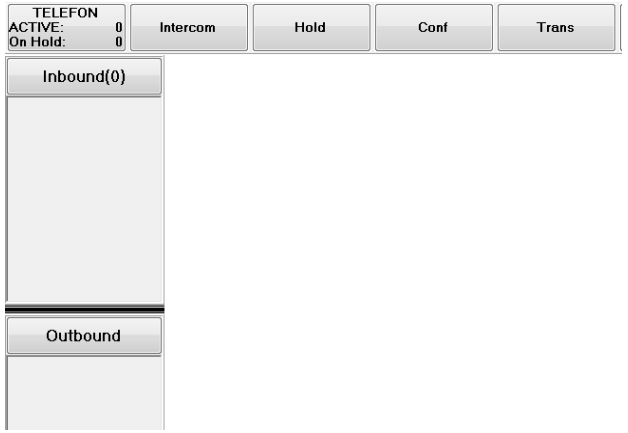
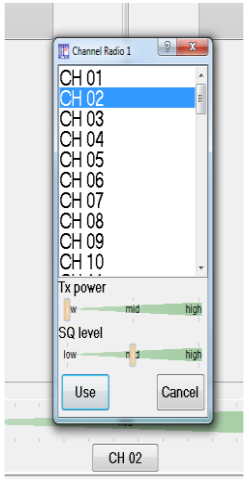


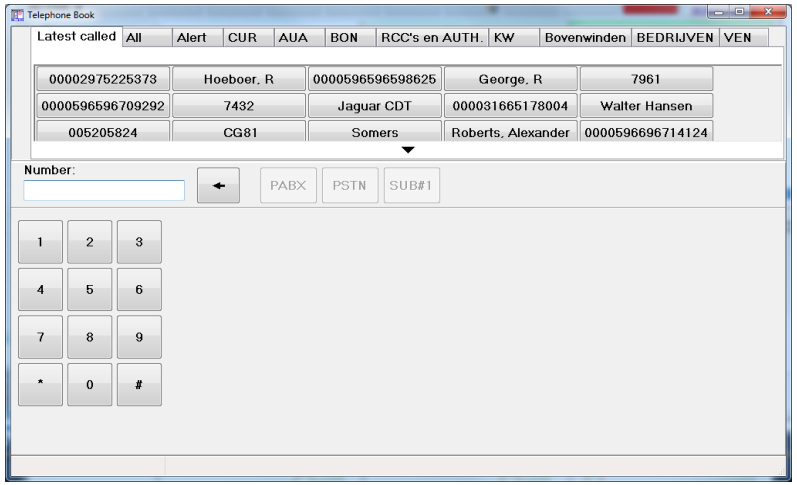
Radio Panel



Telephone Panel



Channel Selector



Telephone Book

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Hardware

IHM COM4500 MCS

COM53 IP: Controlled via internet

Operator terminal

An All-In-One Touch PC

and an IHM TE10-41/3

desktop audio terminal

Base Station controllers

- COM53 IP Base Station Controller
- Operator-unit with built-in VoIP-switch and gateway
- Analogue interface
- Analogue Voice Logging Interface
- SAILOR 6248/6222 (excl. DSC) Interface
- IP interface, SW and interface cable for SAILOR 6248/6222 (excl. DSC)
- IP interface, SW and interface cable for SAILOR 6310

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Software

Software Applications

- Special designed IHM software for maritime systems (GMDSS compliant)
- MS Windows 10, UK version
- MS SQL EXPRESS 2014, UK version
- Ultra VNC Server
- IHM WinServ32 – Communication Server
- IHM AppServ - MCS Application Server
- IHM OperMain - MCS Operator Software, all standard functionalities inclusive

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Other communication system solutions

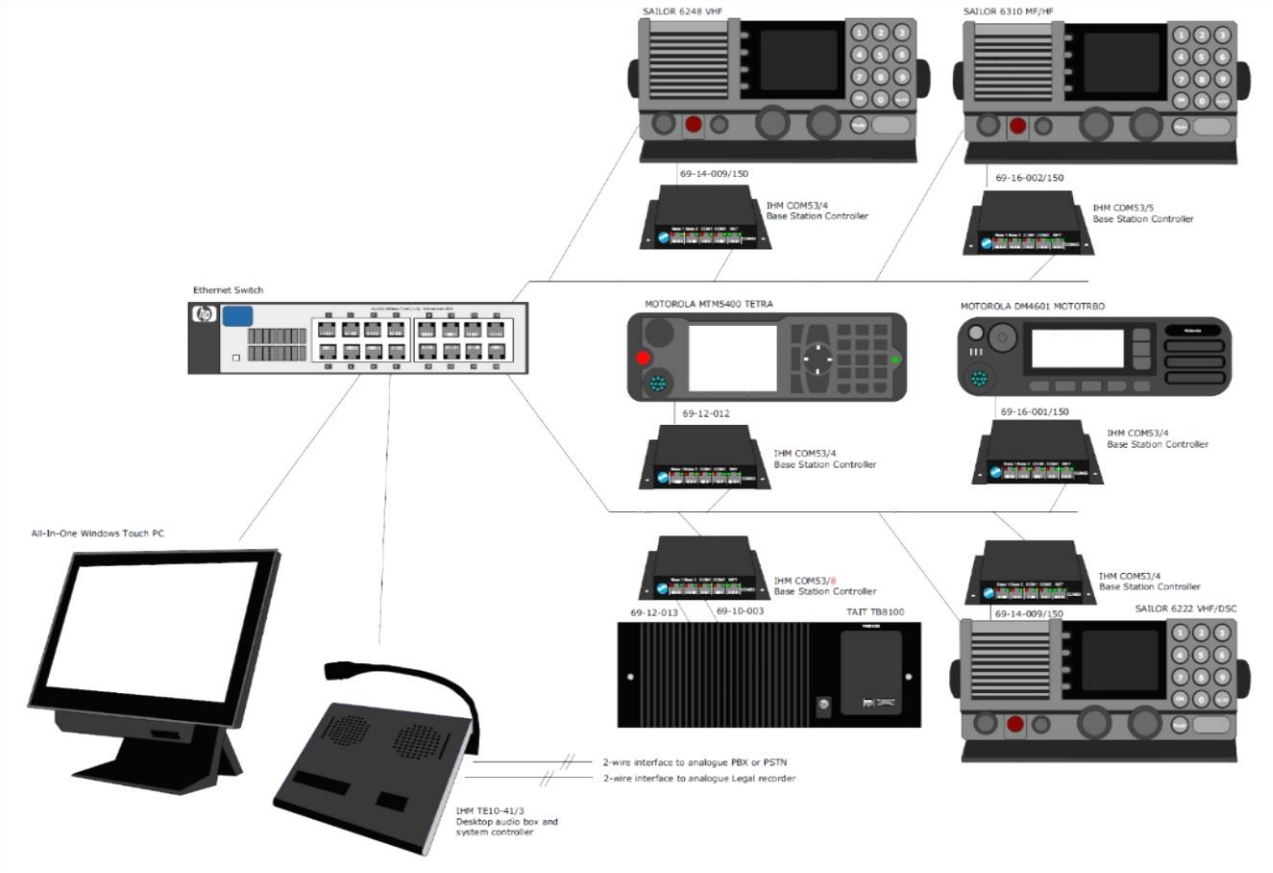
Compact 4500

Developed for

- Harbour administrations controlling multiple harbours located on various sites
- Onshore-offshore organisations

Typically used for

- Harbours located on various sites
- Onshore-offshore organisations
- Multiple users (operators/basestations)
- Remote control of radios
- VHF and MF/HF communication
- Organisations with a need for large coverage



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Other communication system solutions

Modular design = high flexibility

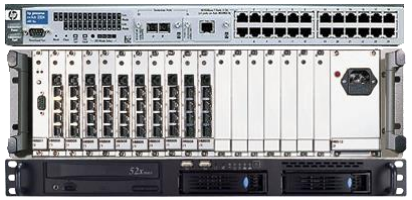
Small Scale System

Operator position

Typically used for

- Single User Systems
- Construction of new harbour
- Locks and bridges
- Part of a system providing large coverage

Basic Scale System

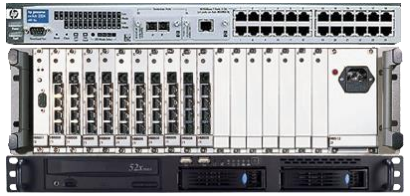


COM4500MCS Compact 4a

Typically used for

- Multi User Systems
- Systems with more interfaces but less demand for redundancy

Medium Scale System



COM4500MCS Compact 9

Typically used for

- Multi User Systems
- Systems with more interfaces and higher demand for redundancy

Large Scale System

COM4500MCS Compact 16

Typically used for

- Multi User Systems
- Systems with many interfaces and high demand for redundancy
- Special interfaces to other radio types
- Customized solutions.

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Why chose IHM ?

IHM is one of the world's leading producers of tele- and radio communication solutions and equipment.

Our customers ranges from public safety, maritime & offshore and public transport. IHM stands for:

Solutions at a high technological level

Customised solutions

- One stop shopping
- Scalability

Total reliability

- 30 years of experience
- Highly skilled staff
- End to end-service
- 24/7 Service

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End to end support and service

IHM Standard Service includes

- ✓ Efficient help and support on both software and hardware from our dedicates staff of highly experienced technicians. Our technicians have a complete knowledge and overview of your (client's) solution.
- ✓ Support within a few hours
- ✓ Service and support on IHM solutions, Airbus and Motorola terminals
- ✓ Service of IHM and other partner's products on HQ facilities

Guarantee

- ✓ Effecient warranty
- ✓ Software guarantee for 6 months
- ✓ Hardware guarantee for 1 year

Price: upon request

Price: upon request