Major ports nowadays are more than mooring and berthing facilities for vessels to load and unload passengers and cargo; they are highly complicated logistic centres using an infrastructure which often is more complex than the infrastructure of a small town. Although the local distribution is not very large, the demand for many different communication technologies that have to be integrated to one communication platform is growing.

SMALL AND LOCAL, YET NOT AT ALL OLD-FASHIONED

The communication requirements of a modern international maritime or inland waterway port may be local and specially directed to its internal needs. Nevertheless, there is no reason not to use the most modern technologies. Get the advantages of communication technologies like VoIP and modern network equipment. Increase your efficiency using a fully digital centralised switching system to enable access to all communication resources from any operator position.

Combine all kinds of communication with sensor information and data information.

→ Radio → Telephone → AIS → CCTV → Ship database

The Frequentis MCS PCS is based on the standardised MCS 3020 product family equipped with special capabilities and functionalities designed for the use in port environments. Be it small systems with few operator positions or multi-centre and multi-base station systems, each part of the system and each application (DSC, NAVTEX, radio remote control) is laid out for network usage.
FEATURES

Our long experience with maritime communication systems made us develop a comprehensive set of advanced maritime features especially adapted for application in port communication systems, to benefit to the full extent from the systems. These comprise e.g.:

- Virtual Networked Control Room
- Small Systems
- Redundancy Option
- Role Management
- Free Seating
- Remote Operator Positions
- Automatic Main/Standby Switching for Radio Resources
- Radio Over IP (ROIP), Voice Over IP (VOIP)
- Inband Radio Remote Control
- Integrated DSC – Fully GMDSS-Compliant
- Wide Range of Interfaces for all kinds of radios in all frequency bands
- CCTV-Integration
- Ship Database
- AIS-Interconnection
- Best Signal Selection
- Automatic Transmitter Voting