Thales designs and implements Naval Communication Systems for surface ships, as well as submarines. The systems are based on a combination of Thales inhouse developed soft- and hardware and commercially available technologies. A digital network, consisting of network nodes connected via fibre optical links, called focon IP (Fibre Optical Communication Network) provides the basis for all systems. Thales Defence & Security Systems GmbH has installed over 350 systems worldwide.
focon IP – Fibre Optical Communication Network
Thales Defence & Security Systems GmbH has developed its Fibre Optical Communication Network into a focon IP system to offer IP-based services within its Naval Communication / Distribution System. Part of the development has been new Multi Media (Voice & Data) and VoIP terminals.

focon IP – features
- Multi-Service communication network (Voice & Data)
- Non-blocking transport of time-critical services
- Modular design / Standard interfaces
- Several security levels available
- Full integration of IP and Non-IP (legacy -) equipment

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Thales offers
- Shipyard support for the Top deck Layout concerning antenna arrangement and interference with other equipment
- All major sub-systems can be supplied from the Thales portfolio of products
- Integration of non-Thales equipment, where customer preferences apply

> Naval Communication Systems
> Integrated External and Internal Communication Systems
> ICAS – Integrated Communication Antenna System
> THWINCOM – THALES Wireless Communication System (Ship-wide / local area / flight deck)
> THWINCOM TETRA – THALES Wireless Communication System

> THINCS – THALES Integrated Naval Communication System
(Small ‘standardised’ Configuration)
> THALPS – THALES Local Positioning System
> THUMBS – THALES umbilical Cable System
(Helicopter Voice & Data Communication with ships ICS)
> Integrated Logistic Support