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Semco Maritime Intelligent Information Network

The Semco Maritime Intelligent Information Network is a Cisco-powered infrastructure in which the combined knowledge of Semco Maritime and of market-leading Cisco Systems fusions field experience with cutting edge technologies to create an outstanding and intelligent network offering.

Objectives

Facing the particular requirements of the oil and gas sector, this Semco Maritime solution component is part of a full suite of network offerings targeted at merging the following applications:

- Public Address/ General Alarm systems
- IP telephony (Unified communications)
- Closed Circuit TV
- Access Control Systems

Additional options include:

- Wireless coverage - e.g. for location tracking and asset management
- Security options - e.g. firewalls and IPSec

- Content delivery - e.g. training and entertainment services or digital evacuation signage

Solution details

Semco Maritime has partnered up with a number of suppliers of market-leading technologies and solutions. This allows us to combine long-time skills and experience with vast research and development efforts to create the following end-to-end solution components:

End-to-end infrastructure

Based on a combination of experience gained from offshore and service provider environments, Semco Maritime has the capacity to provide end-to-end solutions with a scale up to thousands of IP phones, PCs and servers - even across optical networks like SDH. This entails:

- Comprehensive routing and switching equipment with virtually unlimited scalability to hundreds of gigabits per second.
- Wireless solutions spanning single-site deployment across mesh networks and mobility and integration with e.g. GSM service providers.
- Feature-rich optical solutions for easy management and deployment of next-generation services.
- Full suite of QoS and security offerings to enable truly converged networks and network-based access control.
- Expert-level competence in design and implementation phases.

Unified communication systems

With the Cisco Unified Communications Manager and field-proven
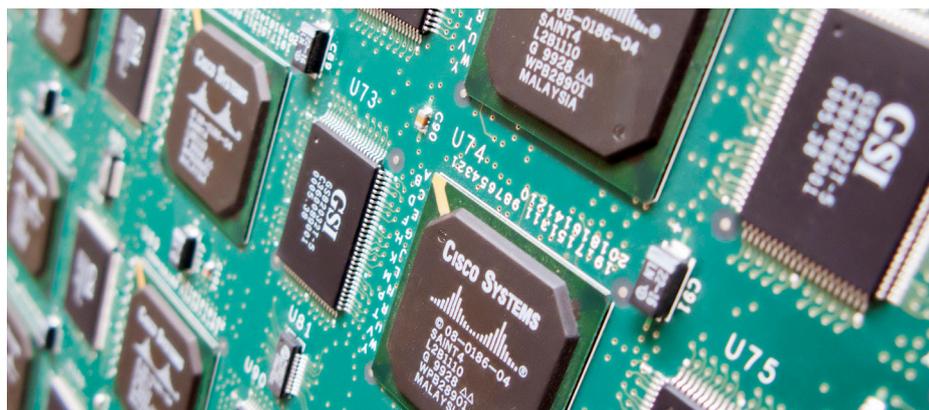
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deployment models of up to 20,000 device installations, we are able to offer a comprehensive unified communications solution that includes:

- IP telephony
- Video telephony
- Video conferencing
- Full range of security services
- Countless options for phone configurations and integration to other applications and systems - e.g. PA/GA, fax servers, legacy radio systems etc.

Professional services

Semco Maritime has taken a strategic decision to strengthen the »network quotient« in all company offerings as part of the efforts to become a market leader in engineering solutions for the oil and gas sector and for other energy related sectors. Consequently, we have committed resources to maintain a very high level of certified competency in Cisco network services.

This leads to competency in numerous consultancy projects and continuous training of staff to use the most recent and best practices in intelligent network solutions. Our consultants are always ready to go on-site or to participate in design projects anywhere in the world.

Life cycle and service

During the three to five year life of your network, network requirements will change several times, i.e. new services will be implemented, and the network will be scaled for more users, higher speeds etc.

Consequently, the concept of a "life cycle" must be adapted in terms of network life. Semco Maritime therefore offers a full suite of hardware and software services, including hardware service contracts almost anywhere in the world and with a guaranteed response time as low as two hours at some locations.

The other part of the services includes certified and experienced

network professionals who engage in various customer schemes spanning from on-demand services to regular scheduled maintenance and development support.

Have we awakened your interest?

Book an appointment for a design clinic or a product demonstration. Contact us or find more details on www.semcomaritime.com.

For further information, addresses, e-mail, addresses and phone numbers - please see our website:

www.semcomaritime.com