

Passive data network technology for maritime applications

DNV-certified components

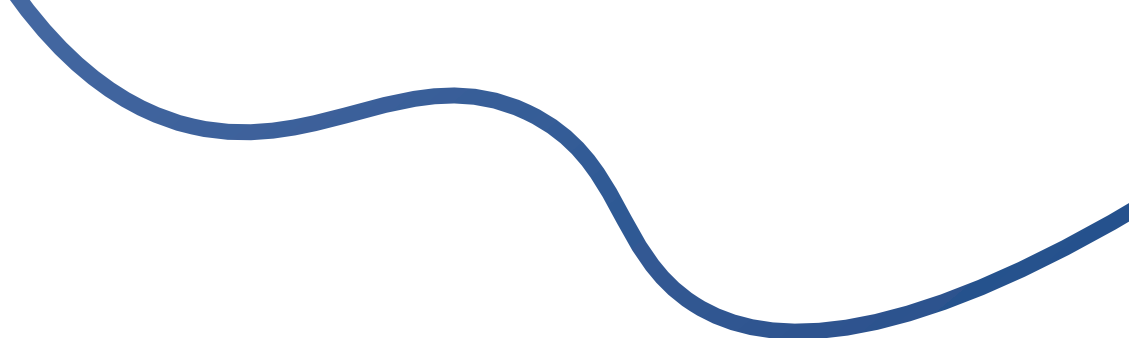


Networking at sea – reliable, secure, DNV-certified

Whether it's the bridge, control room, engine room, or cabins, ships are digital systems. Navigation, control, monitoring, communication, and entertainment require a stable data infrastructure that can withstand salt spray, vibration, and temperature fluctuations—in real time and securely.

DNV Location Classes and tests define the requirements for each installation location – and ensure predictability, safety, and compliance. DNV certification is the basis for robust, fail-safe, long-lasting connections – on all types of ships.





DNV Location Classes – METZ CONNECT products

The DNV Location Classes are classification levels defined by DNV (Det Norske Veritas) to determine the environmental conditions and stresses to which various systems, equipment and structures on vessels, offshore installations and industrial facilities are

exposed. This classification helps to define technical specifications for equipment and materials according to their intended installation location and the prevailing conditions.

Requirements according to DNV classification:

- > DNV-RU-SHIP Pt.4 Ch.9 Control and monitoring
- > on electrical, electronic and programmable devices and systems

The requirements and environmental test specifications for a particular product are defined according to the area of application and the intended location on board.

Application area

The product(s) approved by this certificate is/are approved for installation on all vessels classified by DNV GL.

Application/limitation of location classes

- > Temperature: B,
- > Air humidity: B,
- > Vibration: A,
- > EMC: (not applicable),
- > IP protection class: A

Performed tests

Environmental testing according to DNVGL-CG-0339

Application areas of DNV-certified products

- Suitable locations
- Unsuitable locations

Bridge & navigation area

Functions

- › Control and monitoring of the vessel
(Navigation systems, radar, ECDIS, GPS)
- › Communication with the port and other vessels
- › Automation systems
(Control and alarm monitoring)

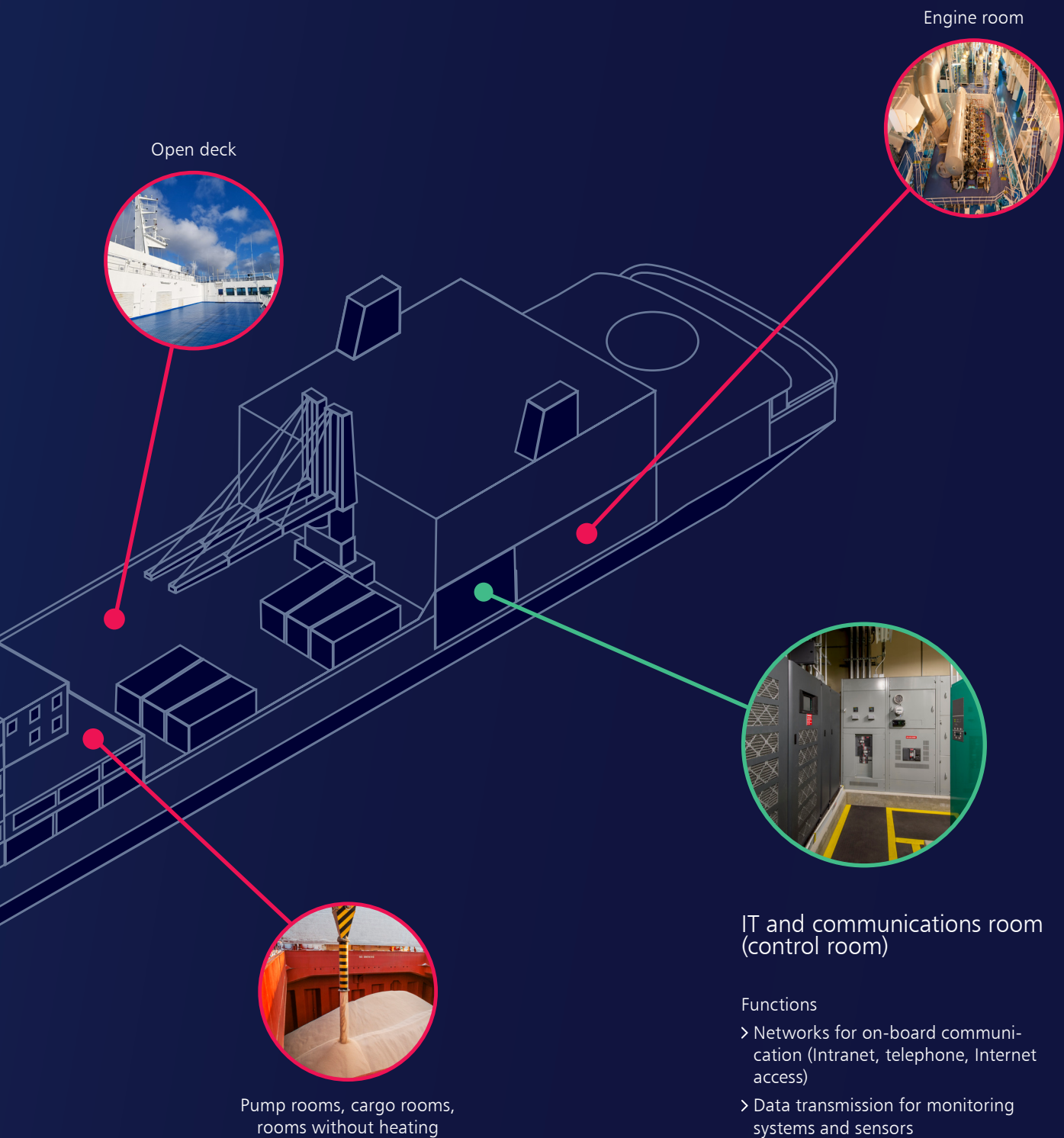


Ship cabins & leisure areas

Functions

- › Entertainment systems (TV, radio, WLAN)
- › Control of light and air-conditioning in the cabins





Product overview

DNV-certified products

Cat.6_A / Class E_A | Format Module

	Description	Variant	P/N
	C6 _A module 180° jack DNV	180° module version, Cat.6 _A /class E _A , on-site mounting, AWG 26/7-22/7, AWG 26/1-22/1	130B11-DNV
	C6 _A module 270° jack DNV	270° module version, Cat.6 _A /class E _A , on-site mounting, AWG 26/7-22/7, AWG 26/1-22/1	130B12-DNV
	C6 _A module 90° jack DNV	90° module version, Cat.6 _A /class E _A , on-site mounting, AWG 26/7-22/7, AWG 26/1-22/1	130B13-DNV

Cat.6_A / Class E_A | Keystone Format

	Description	Variant	P/N
	C6 _A module K 180° jack DNV	180° keystone version, Cat.6 _A /class E _A , on-site mounting, AWG 26/7-22/7, AWG 26/1-22/1	130B21-DNV
	C6 _A module K 270° jack DNV	270° keystone version, Cat.6 _A /class E _A , on-site mounting, AWG 26/7-22/7, AWG 26/1-22/1	130B22-DNV
	C6 _A module K 90° jack DNV	90° keystone version, Cat.6 _A /class E _A , on-site mounting, AWG 26/7-22/7, AWG 26/1-22/1	130B23-DNV

Cat.7 SHF1 Oceanline 900

	Description	Variant	P/N
	OCEANLINE C7 S/FTP 4P AWG23 LSHF-FR GN (Product type: installation cables)	C7 S/FTP AWG23 LSHF	130842D7SFDMDNV

Cat.6_A / Class E_A | RJ45

	Description	Variant	P/N
	C6 _A RJ45 field plug pro 180° DNV	Cable feed 180°, cat.6 _A /class E _A , on-site mounting, AWG 27/7-22/7, AWG 26/1-22/1, two-part IP20	130E405032-DNV
	C6 _A RJ45 field plug pro 360° DNV	Cable feed 360°, Cat.6 _A / class E _A , on-site mounting, AWG 27/7-22/7, AWG 26/1-22/1	130E405042-DNV

Cat.6_A / Class E_A | Connectors

	Description	Variant	P/N
	E-DAT Industry IP20 RJ45 DNV	Cat.6 _A /class E _A , on-site mounting, AWG 26/7-22/7, AWG 26/1-22/1, two-part IP20	1401405012-DNV

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