

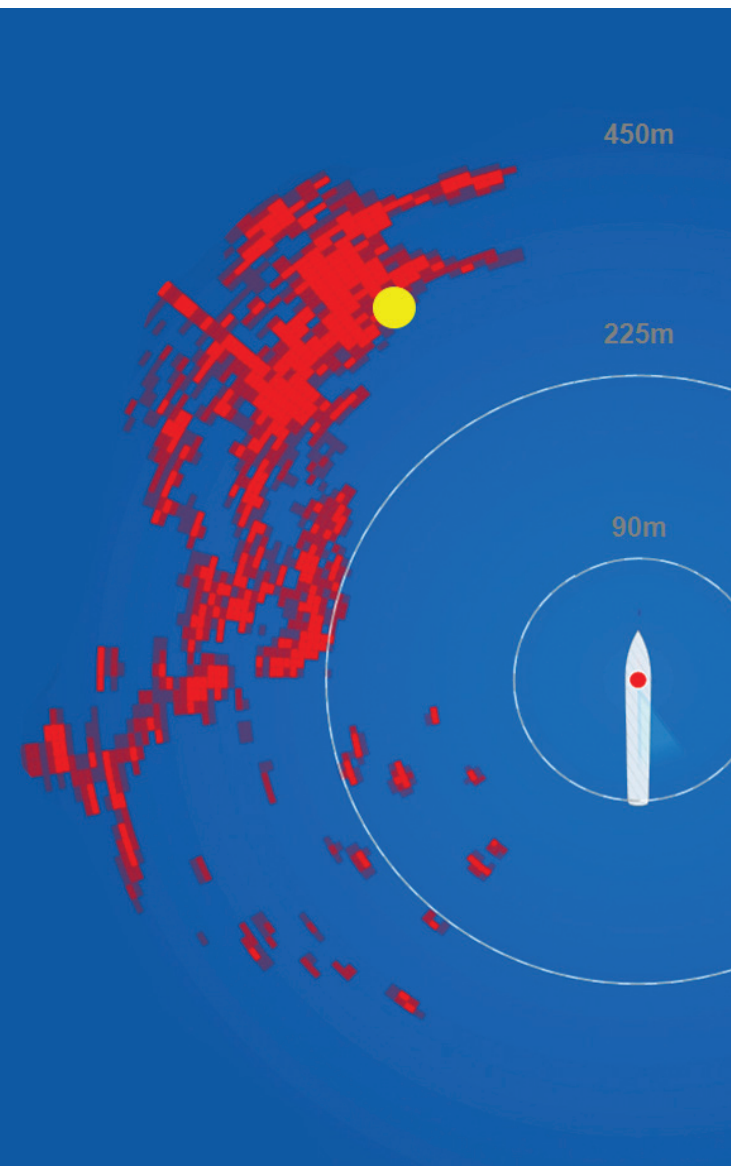
Wärtsilä RadaScan View

Real time situational awareness for DP operators



RadaScan View provided by Guidance Marine combines all the features of the RadaScan system with a traditional radar image on a single user interface.

The sensor accurately measures the range and bearing of one or more intelligent microwave targets called responders, allowing for the calculation of vessel position and heading. Based on radar technology it overcomes many of the limitations associated with DGPS, traditional laser, acoustic and taut-wire systems.



Benefits

- Radar suitable for the 500m zone
- Combined positioning and radar Dashboard
- Adds situational awareness to DP operator interface
- Confirms RadaScan responder locations on the Asset
- Provides an early warning against the inadvertent moving of responders

Typical applications

RadaScan View sensor is suitable for applications which use offshore installations such as:

- Platform and Offshore supply
- Wind farms servicing
- Accommodation barge operation
- Crew boats station-keeping
- Heavy lift activities
- Dive and ROV support

The RadaScan View sensor is also suitable for applications with mobile structures such as:

- Track and ship-follow
- Shuttle tanker loading
- Pipe and cable laying
- Rock dumping
- Replenishment at sea



Main data

Sensor Details	
Transceiver Type	Frequency Modulated Continuous Wave (FMCW)
Frequency Band	9.2 to 9.3 GHz
Maximum Power Output	1W
Maximum Operating Range*	600m
Minimum Operating Range	10m
Range Repeatability**	0.25m (1 σ) up to 600m
Angular Repeatability**	0.2° (1 σ) up to 600m
Operating Field of View	360°
Target Detection	Automatic
Vertical Beam Height	22°
Multiple Target Capability	Up to 4

Vessel Interface	
Sensor Power	100-240VAC 45-65Hz, 5A
Sensor Control	2 x Ethernet 100Base-T
Sensor DP Feed	1 x RS422
Supported DP Systems	Includes Beier Radio, GE Energy (Converteam), Kongsberg, Marine Technologies, Navis, Praxis, Rolls Royce and Wärtsilä (L-3)
Sensor Control	Up to 9 control consoles (Master & Slaves)
Sensor Control Protocol	Ethernet TCP/IP
Supported DP Telegram Formats	Includes MDL single/multi-target and NMEA 0183 to IEC 61162-1:2010(E). Custom formats also available on application

Environmental	
Operating Temperature Range	-25°C to +55°C
Atmospheric Conditions	Operates in fog, heavy rain, snow and ice conditions
Standards Compliance	CE Certified, EN 60945, FCC Approved, IMO Resolution A962 (23) 'GREEN PASSPORT'
Ingress Protection Rating	IP66
RF Immunity	Resistant to S and X band Radar when installed as recommended

Sensor Weight & Dimensions	
Diameter	500mm
Height	400mm
Weight	21kg

Flight Case Weight & Dimensions	
System Dimensions	620 x 620 x 730 mm
System Weight	63kg (with typical accessories such as computer, monitor, keyboard and mouse)

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