



INNOVATOR 2.0

HEAVY WORK CLASS ROV



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The Innovator 2.0 is Saipem's in-house designed and manufactured heavy work class ROV.

Based on Sonsub's 30 years of experience in ROV design, production and operation, the Innovator 2.0 sets the new state-of-the-art in ROV technology.

Thanks to the extraordinary survey and construction capabilities, the flexible and powerful interface to subsea instruments and tools and the excellent system maintainability, usability and ergonomics, Innovator 2.0 results in an extremely powerful subsea intervention tool, ready to operate in the most challenging offshore and Oil&Gas conditions.

- Conceived to meet API 53 most demanding requirements
- Designed and engineered according to Norsok U102
- Certified by DNV-GL, industry first

GENERAL INFORMATION

- Depth capability: 3,000 mwd (extendable to 4,000 mwd on request)
- Height: 2,300 mm
- Width: 1,850 mm
- Length: 3,800 mm
- Weight: 5,500 kg (in air)

THRUST AND SPEED PERFORMANCE*

- Horizontal thrusters: 4 x 17 inch
- Vertical thrusters: 3 x 17 inch
- Forward: 1,725 kg
- Astern: 1,725 kg
- Vertical: 970 kg
- Lateral: 1,360 kg
- Turning rate: 40 deg/sec
- Max. forward speed: 3.5 kts
- Max. astern speed: 3.5 kts
- Lateral: 2 kts
- Vertical: 0.9 kts

*all values certified by DNV-GL

HYDRAULIC POWER UNIT

- Motor: 210 hp dual drive shaft motor
- Main pump: 180 cc (320 lt/min @ 300 bar)
- IHPU pump: 92 cc (160 lt/min @ 210 bar)

VALVE PACKS**

- 1 off 14 station valve pack (suitable for atlas manipulator proportional control)
- 2 off configurable 6 stations up to 3 high flow ports meeting API std 53 requirements

**High power tooling interface with innovative, proprietary tooling valve packs, fully configurable (with on/off and proportional NG3, NG4, NG6 valve packs, with up to 3 high flow ports capable of 160 lt/min)

CONTROL

- Auto depth: +/- 5 cm
- Auto heading: +/- 0.5 deg
- Auto pitch/roll: +/- 1 deg
- Station keeping: +/- 5 cm
- Position trim: +/- 5 m
- Course: +/- 10 cm

MANIPULATORS, SENSORS AND INSTRUMENTS

- Schilling TITAN-4, 7 function manipulator
- Schilling RIGMASTER, 5 function manipulator
- OAS: Tritech SeaKing
- Multibeam: Tritech Gemini
- INS + Gyro: 1 x ixbblue Rovins
- Cameras: 8 x SD, 2 x HD sdi
- Pan and yilts: 2 x electrical P&T
- Lights: 6 x dual 24 Vdc LED lamps
- 2 x dual 110 Vac lamps

With fully configurable and extendable survey equipment interface, with survey dedicated communication line & fully configurable survey pod (optional)

TMS

- Tether excursion std: 1,100 m
- Tether excursion (extended): 2,500 m

Saipem's new Innovator 2.0 ROV is a heavy work class vehicle used for oil field maintenance and construction, including in ultradeep waters, and for monitoring the seabed and gathering data to design of oil fields or subsea pipelines.

The ROV's umbilical cable and tether have been redesigned to transmit the ship's onboard power to the subsea vehicles.

DID YOU KNOW?

THE INNOVATOR 2.0 HAS AN AVERAGE LIFE EXPECTANCY OF OVER 15 YEARS. IT IS THE RESULT OF THREE YEARS OF DESIGN AND TESTING