



# HYDRONE-W

AI-READY FULL ELECTRIC WROV



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Saipem's commitment to sustainable technological development continues with its progress made in Subsea Robotics at Sonsub, the Centre of Excellence for underwater technologies and robotics.

The Hydrone development program aims at changing the paradigm of underwater inspections and interventions through a fleet of underwater drones and auxiliary infrastructures.

The Hydrone-W is a full-electric Work Class ROV that incorporates advanced solutions as to electric manipulation and power train for environmentally friendly operation and better sustainability.

The Hydrone-W is designed to embed AI features for advanced operations, it can operate in traditional ROV mode or to remain as a subsea resident tethered to a subsea base and it can also be fully remotely controlled from an onshore control center. The Hydrone-W may also support heavy duty subsea construction activities carrying out tasks relating to subsea construction, pre-commissioning and commissioning.

### KEY FEATURES

- Conceived for low carbon footprint
- Designed for remote control and subsea resident deployment
- AI ready
- Heavy Duty

#### DIMENSIONS

- Length: approx. 2,800 mm
- Width: approx. 1,800 mm
- Height: approx. 1,900 mm
- Through frame lifting: 3,000 kg
- Weight in air: 4,200 kg

#### POWER

- Cont: 200 HP

#### OPERATIONAL CAPABILITIES

- Standard: 3,000 m WD (optional 4,000 m WD)
- Payload: 200 kg (optional 300 kg)
- Full electric TMS up to 3,000 m tether length

#### THRUST AND SPEED PERFORMANCES

##### Thrusters configuration

- Horizontal 4x 380 mm  
Horizontal thruster can be adjusted to allow a different ratio between forward and lateral total thrust.
- Vertical: 3x 380 mm

#### TOOLING

##### Manipulator/grabber

- Manipulator: 1x 7F
- Grabber: 1x 5FF

##### Electric

- Power: 40 kW (each station)
- Stations: up to 5

##### Hydraulic

- Power: 40 kW (option up to: 120 kW)

#### CONTROL

- Auto depth, auto heading, auto pitch/roll, station keeping, position trim
- Option: advanced automatic navigation features (i.e. go to point, grid, pipe following, etc.)

Ready for full remote control through on any communication link (Satellite, 4G-LTE, 5G, Radiolink)

