

# ROV SEAEYE LINX 1500

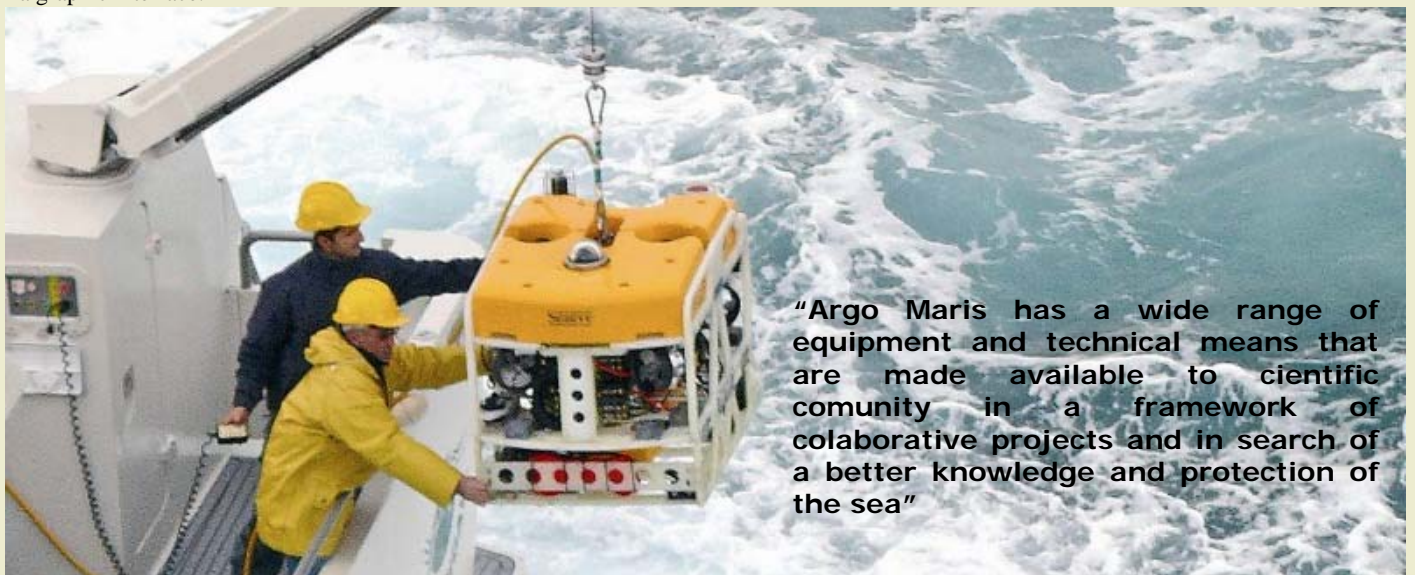
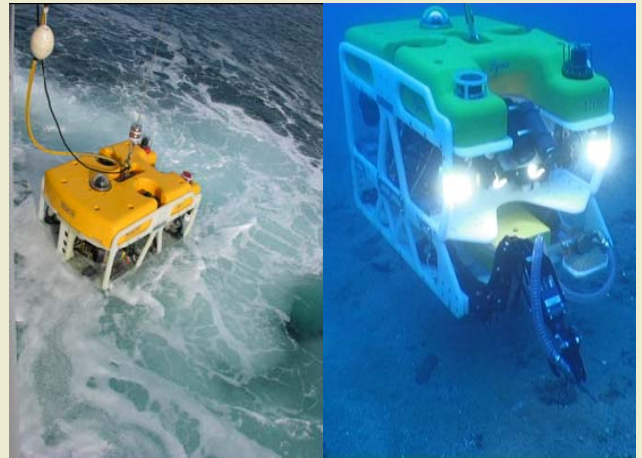
The Bon Pigall vessel integrates on board an underwater ROV, the Seaeeye Linx 1500, ready to dive down to 400 m depth. The main objectives are to explore the underwater surface, geologic and biologic sampling, underwater observation and georeferenced image recording.



The vehicle has been modified by Argo Maris staff to carry on any working program.

- Load: 35 kg
- Altimeter and compass on board
- Modular design for extra equipment
- Lighting system: halogen 600 W. Capability for zenital illumination for photomosaiching
- Image system: 1 b/w video camera for navigation and low visibility, HD colour video cameras, digital photographyc camera.
- Digital telemetry for camera, lights and manipulator control, cameras and sonar image recovery in real time and navigation parameters display.
- Acoustic positioning, USBL Tracklink, integrated with DPS, allow coordinates in a Global Positioning System in real time.
- Obstacle avoidance sonar.
- Hidraulic manipulator with 5 functions, Hidrolek.
- Zip-jet system developed by Argo Maris for arqueology and for biological sampling.

The ROV has its own control room, designed so as the two pilots can operate in an independent and coordinated way. It allows that the ROV navigation, based on the acoustic positioning, the compass and the on board GPS, can be pre-designed accordingly to the objectives of each dive on a hydrographyc software HYPACK MAX. This software is used as well to integrate and manage all data obtained from the ROV and vessel navigation systems. It also allows to store and show them in a graphic interface.



**“Argo Maris has a wide range of equipment and technical means that are made available to cientific comunity in a framework of colaborative projects and in search of a better knowledge and protection of the sea”**