

Turnkey underwater solutions for the offshore industry



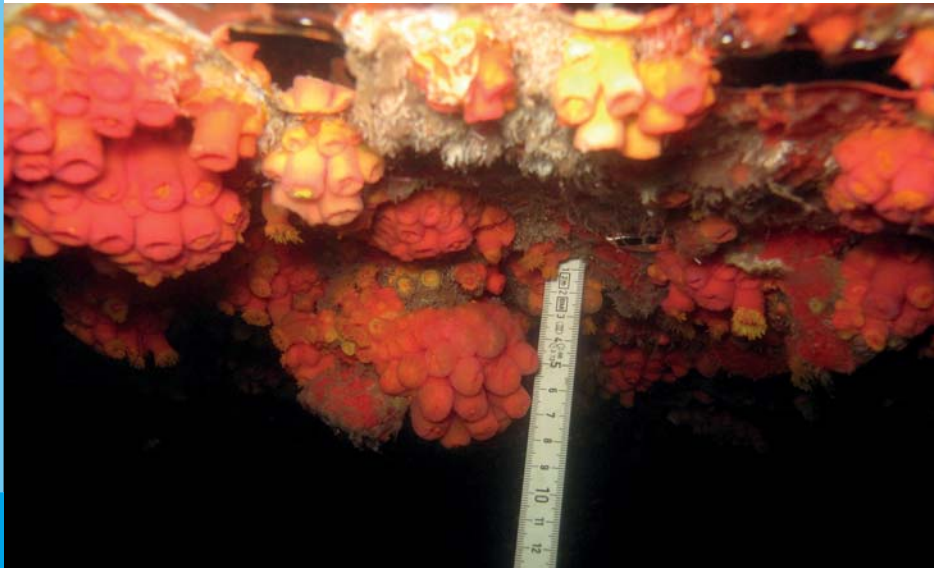
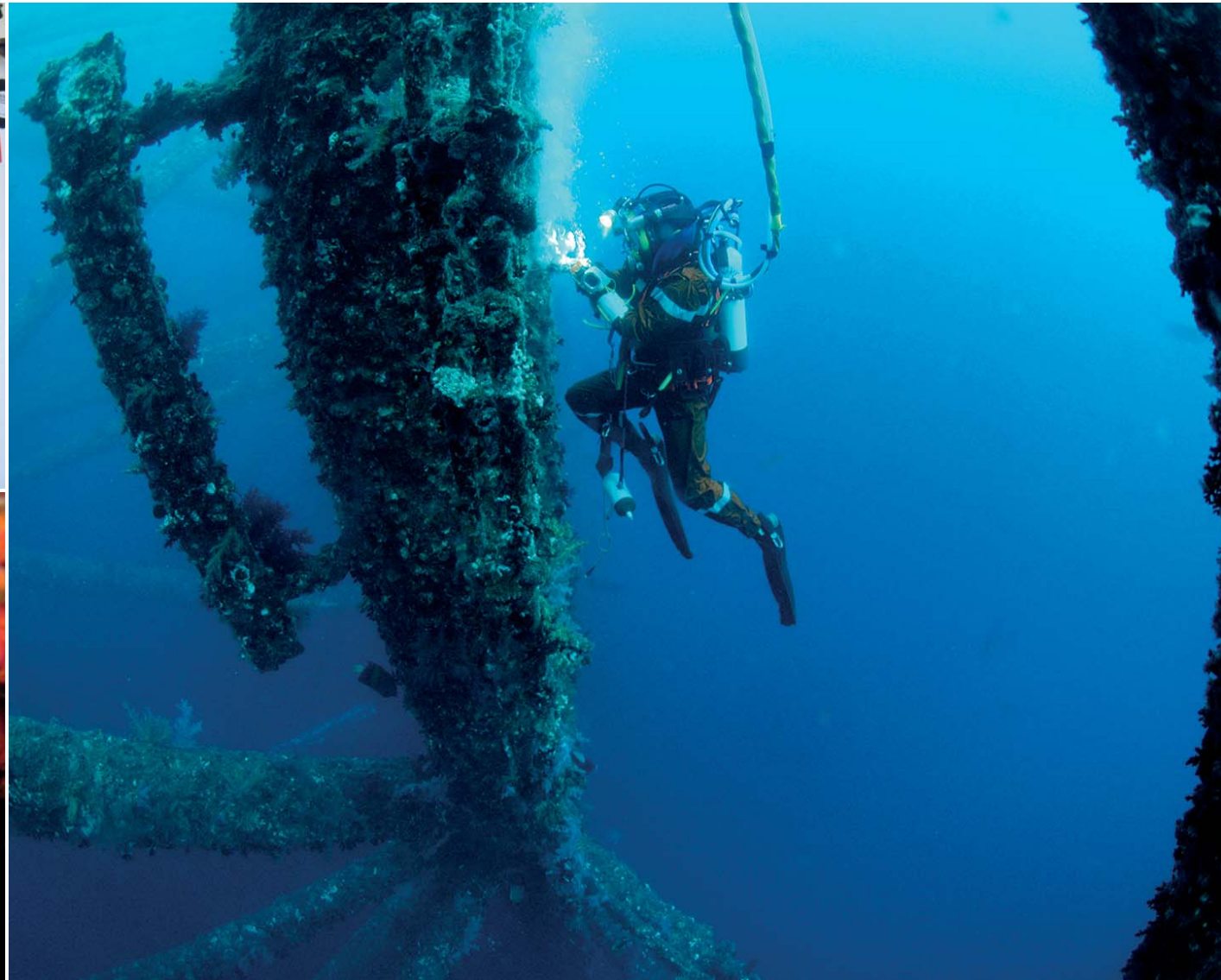
HYDREX
UNDERWATER TECHNOLOGY

1. Underwater maintenance



UWILD inspections

- Class approved
- Warrants vessel integrity
- MPI (Magnetic Particle Inspection)
- CPM (Cathodic Protection Monitoring)
- UT (Ultrasonic Testing)
- ACFM (Alternating Current Field Measurement)
- Close visual inspection
- Carried out by certified divers



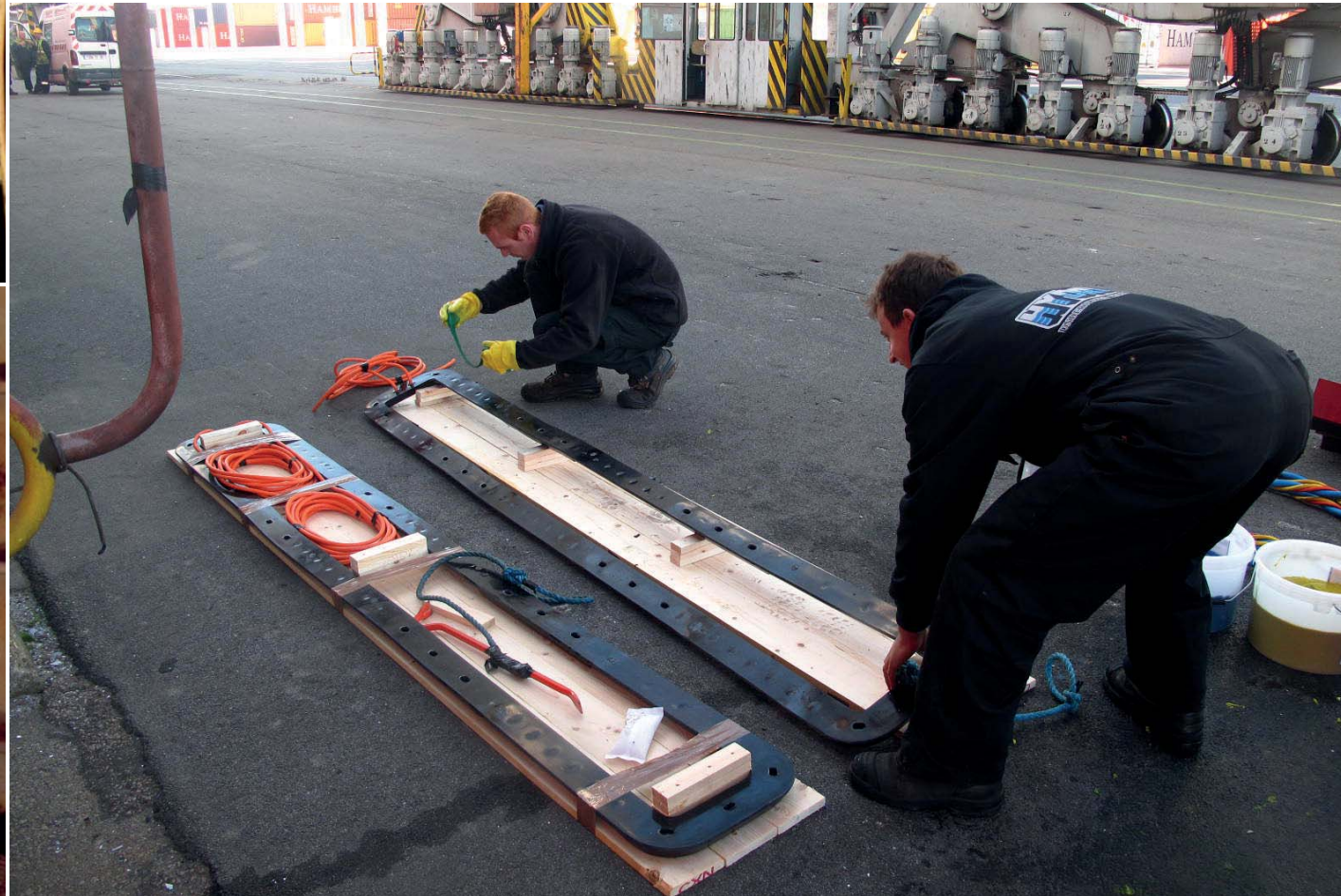
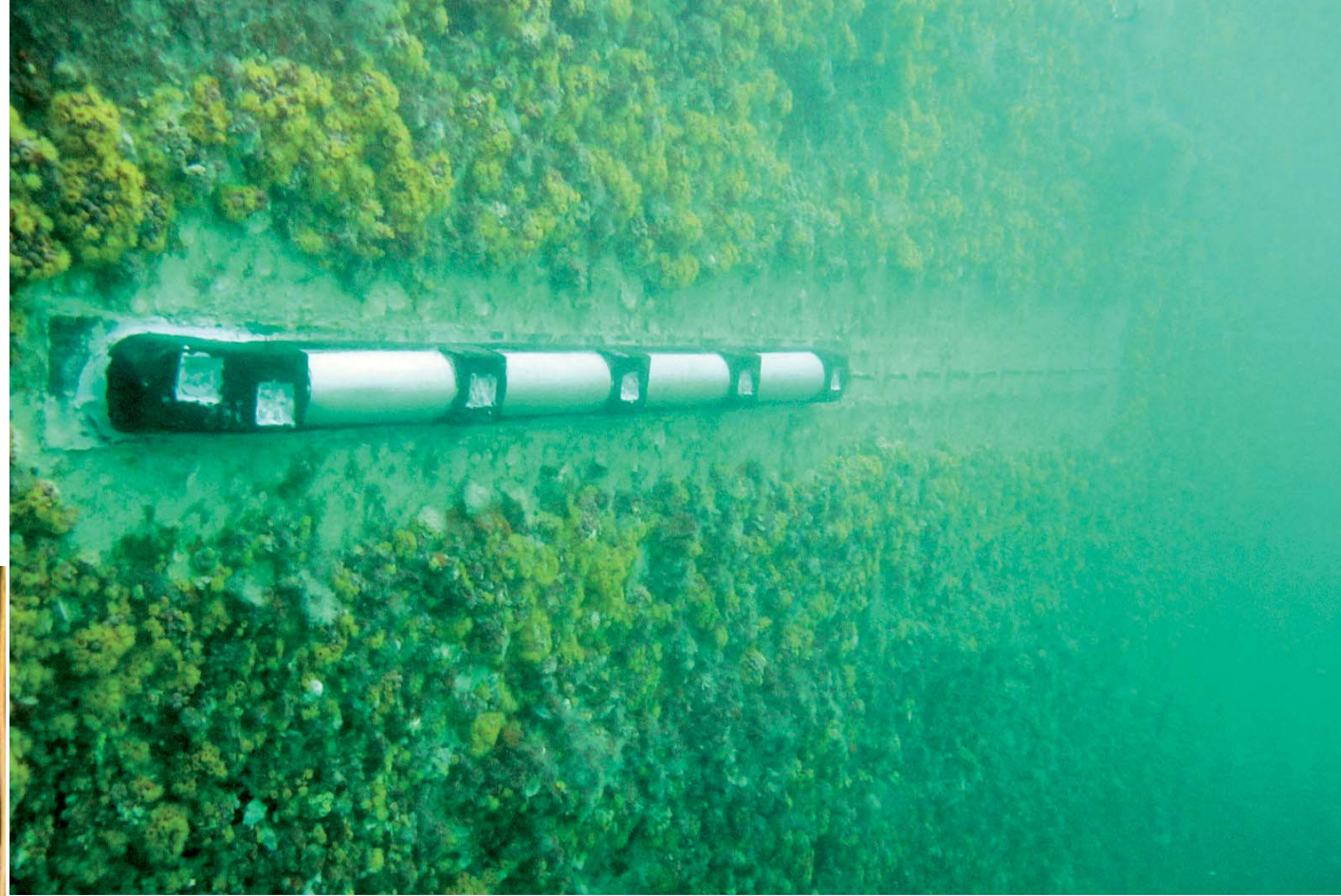
Underwater cleaning

- A range of in-house designed underwater cleaning units
- Removal of all types of fouling from any type of offshore structure
- Increases the cargo capacity
- Pre-inspection cleaning

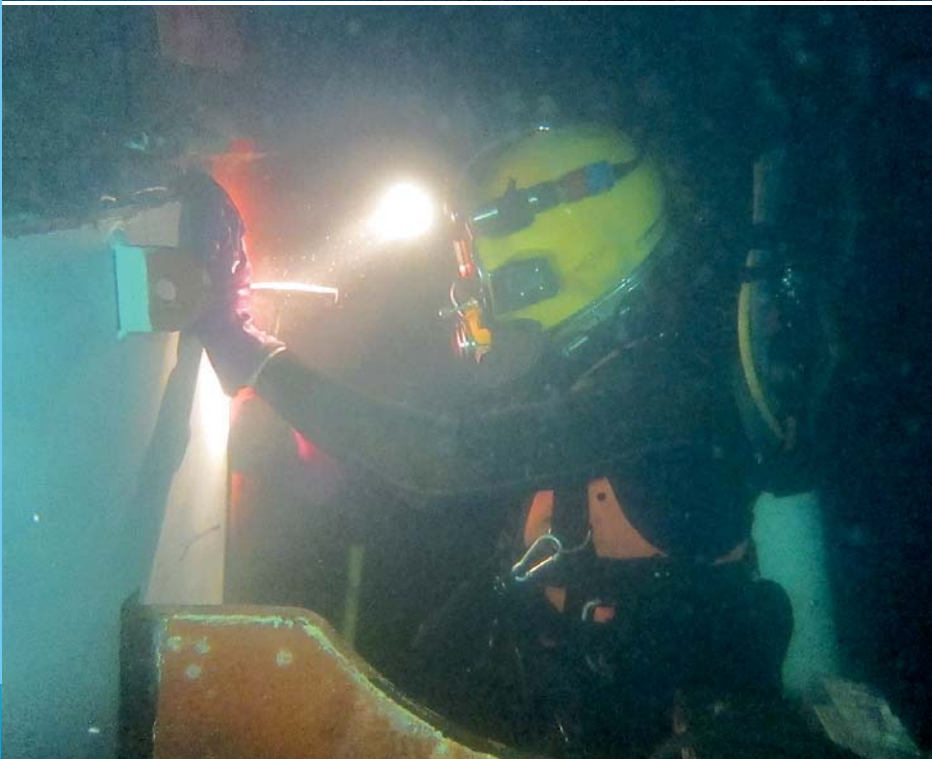
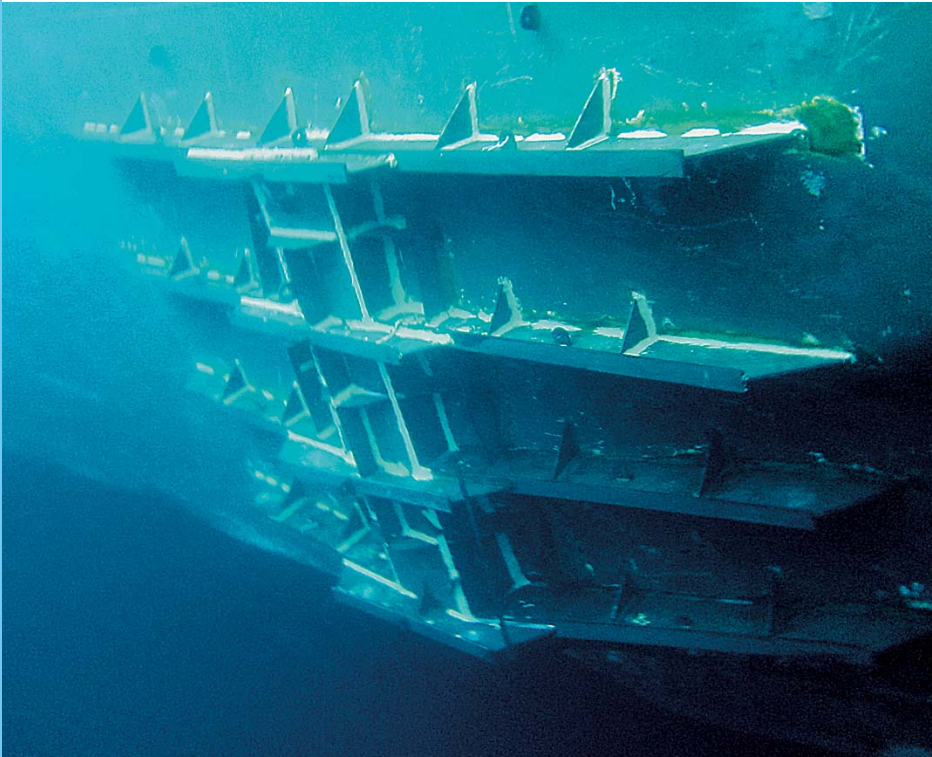


Cathodic protection

- Underwater replacement of sacrificial anodes
- Replacement of ICCP
- Renewal of dielectric shields with mobdocks

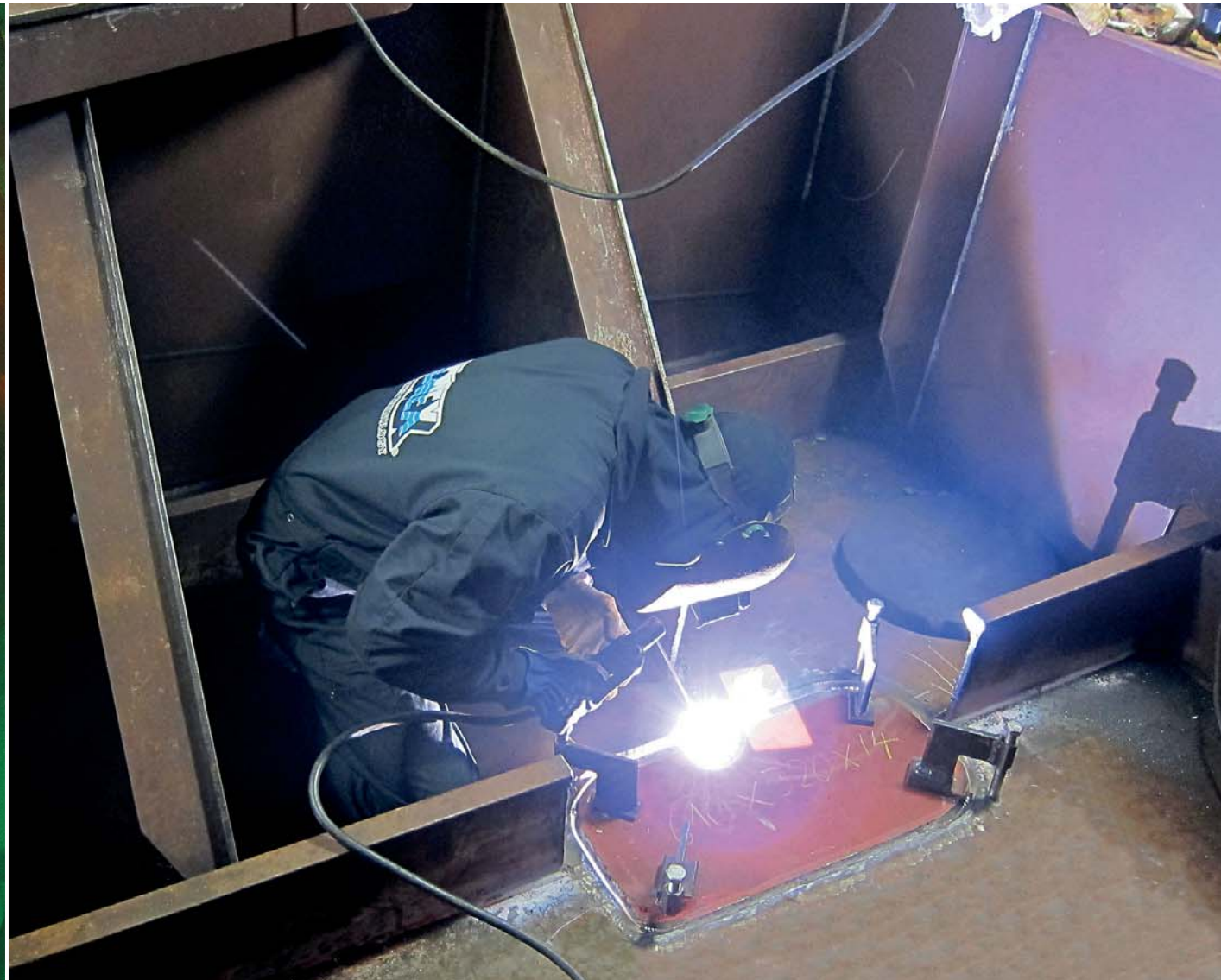
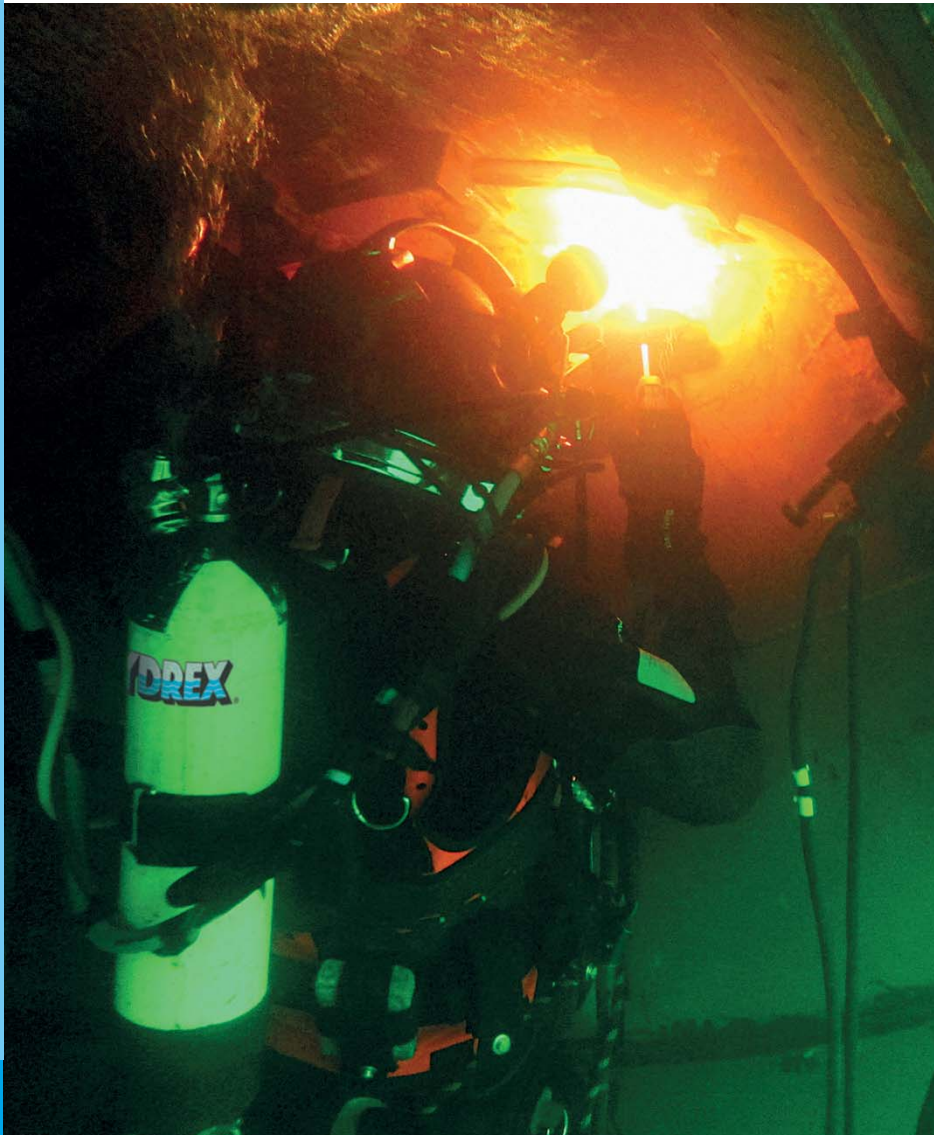


2. Underwater hull repairs



Certified welding

- ISO 9001:2008 certified
- Coordination and validation of welding procedures with classification societies
- Provision of qualified wet and dry welder divers
- In-house dry and wet welding training

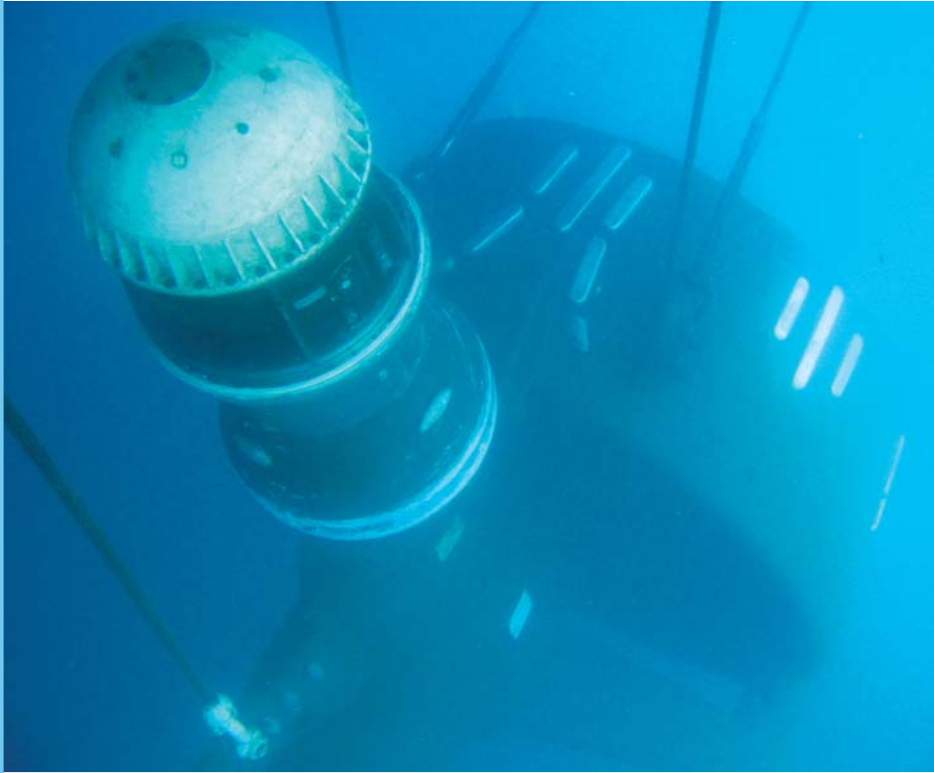


Underwater Structural repairs

- Afloat permanent repairs on any type of rudder
- In-house developed equipment allows engineers and inspectors to perform their tasks in dry conditions
- Cavitation repairs



3. Underwater running gear repairs



Underwater thruster operations

- Underwater repair and maintenance work on thruster units
- Carried out in dry conditions
- Wide range of mobdocks in stock for different thruster types
- Custom solutions available
- Replacement of complete thruster units
- Repair work on specific parts



To view animation
of tunnel thruster
operations

[CLICK HERE](#)



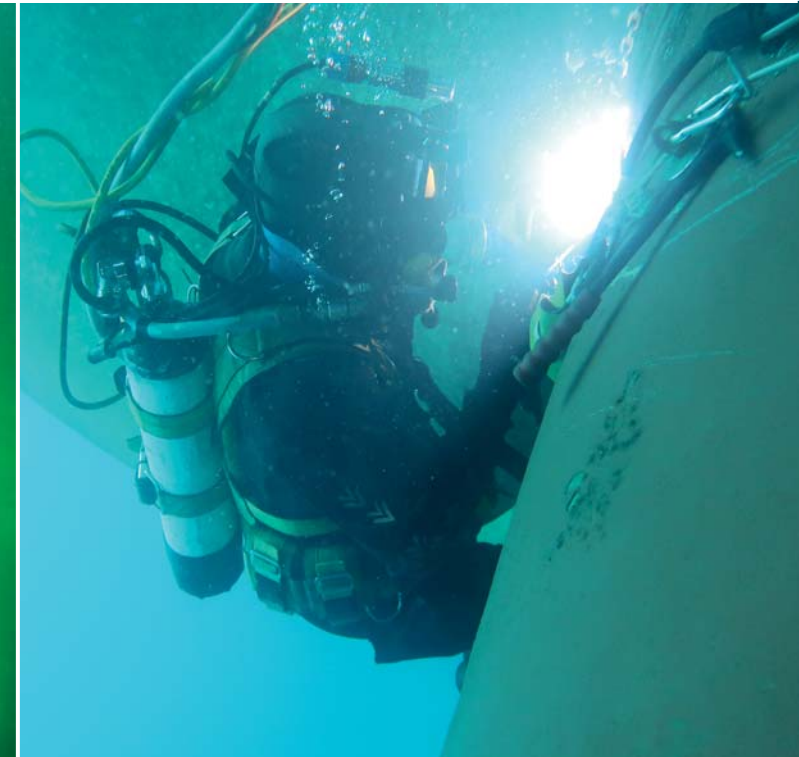
Underwater stern tube seal repairs

- Replacement of various sizes of shaft seals
- Range of flexible mobdocks designed for all kinds of seal assemblies
- Underwater, in dry conditions
- In cooperation with OEMs



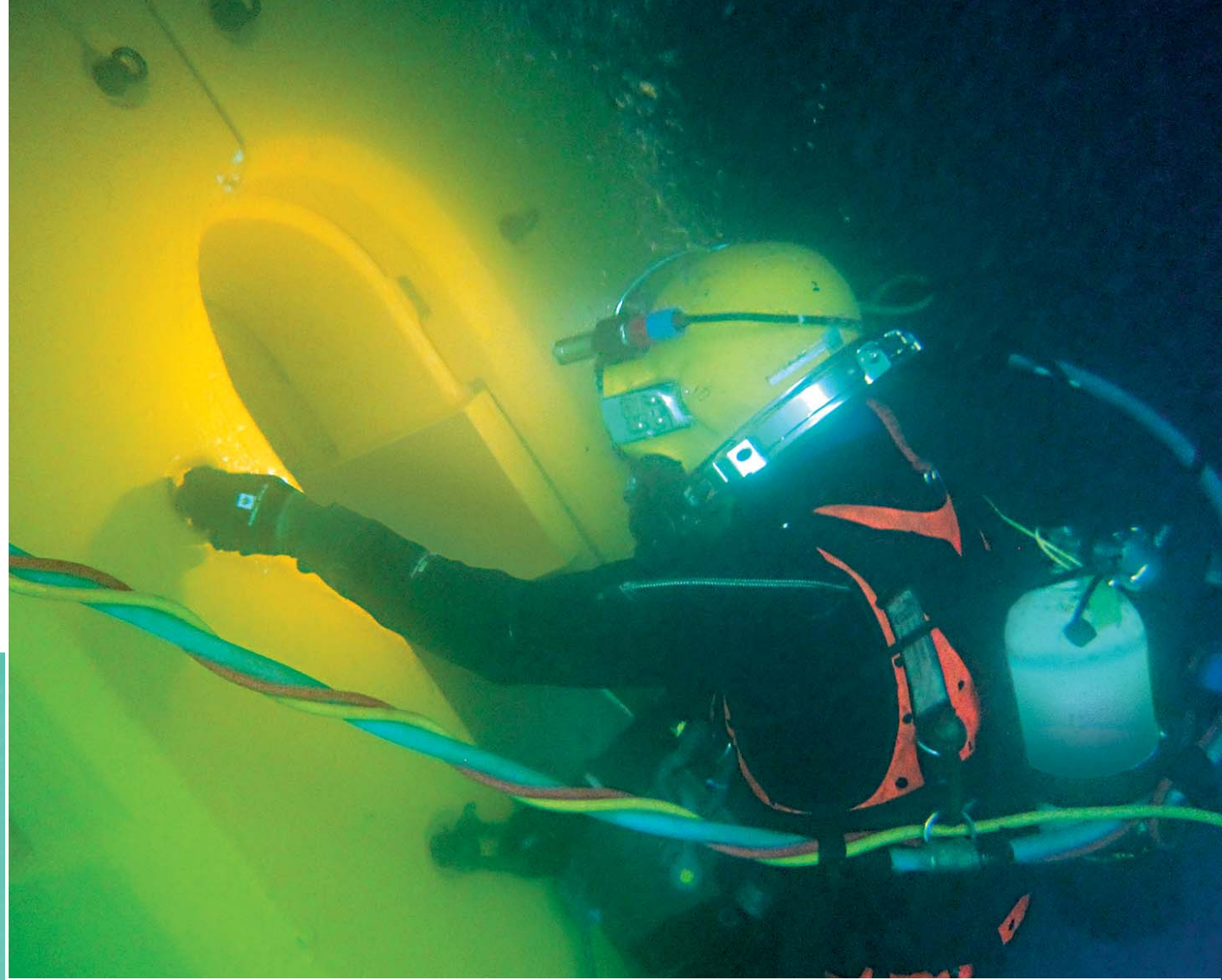
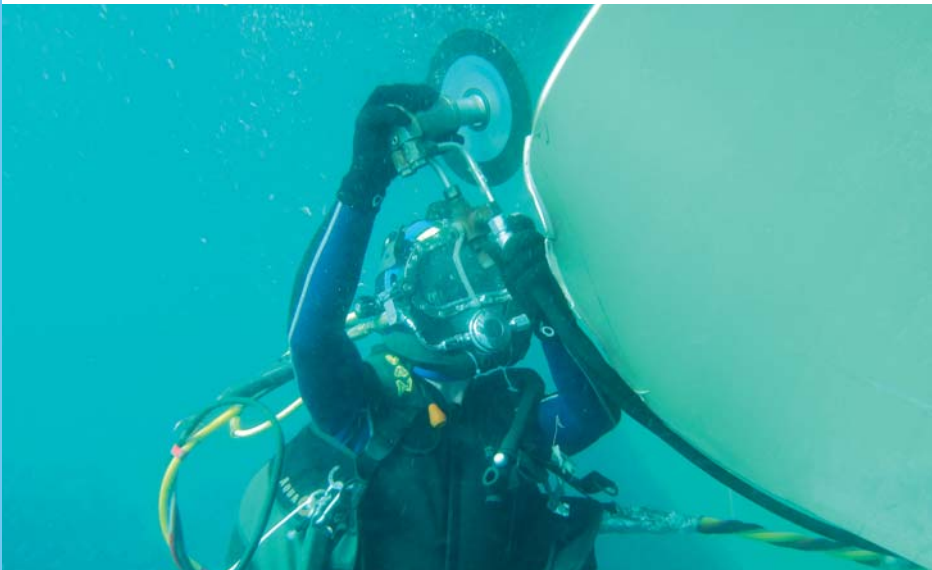
To view animation

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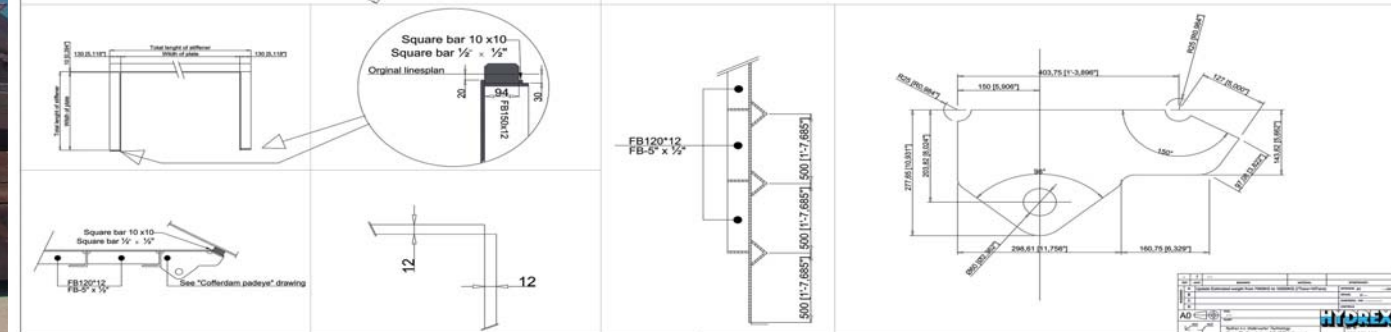
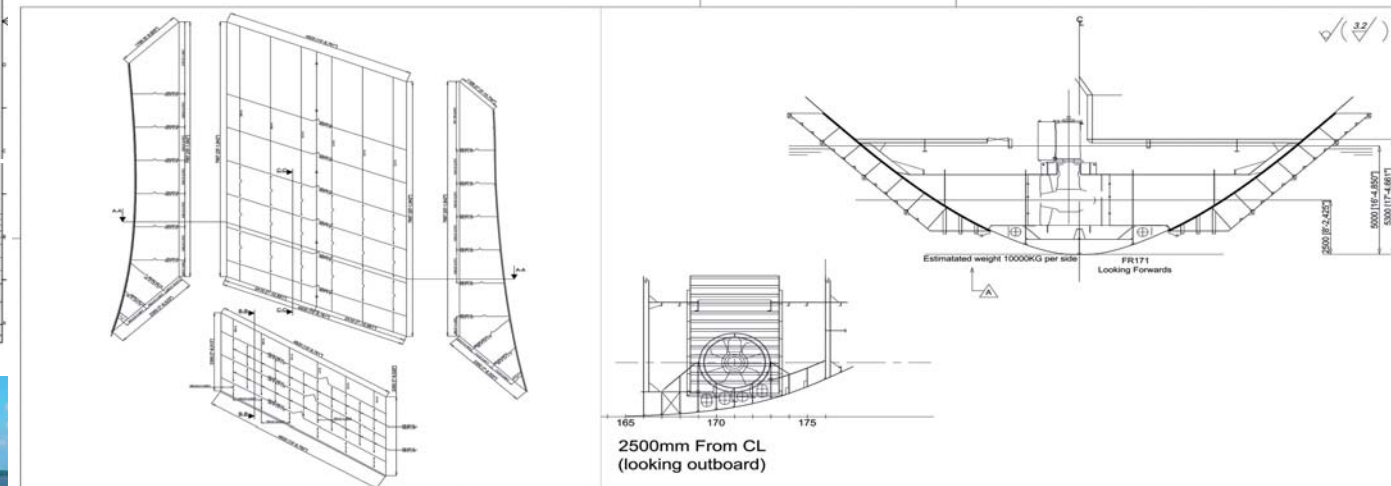
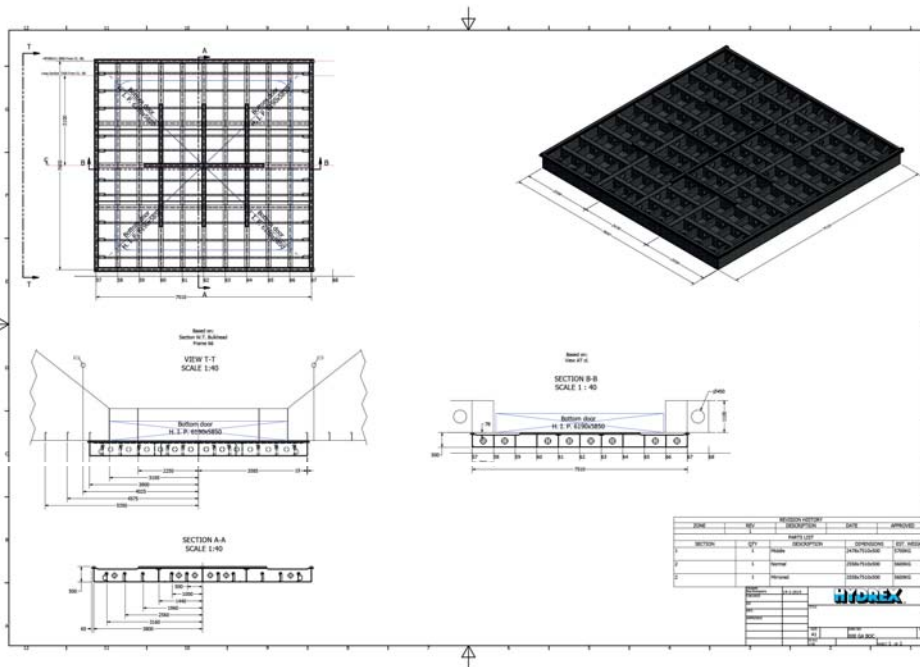
Underwater Propeller operations

- Propeller modifications
- Cold straightening
- Blade cropping
- Blade removal/ replacement
- Regularly updated in-house developed equipment
- Full propeller repair mobdock



4. Research & Development

- Project management for custom solutions
- Preventive or for existing problems
- Taking care of the engineering aspects of an operation
- Continuously design new repair techniques and evolve existing procedures
- Stay on project



5. Worldwide network



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