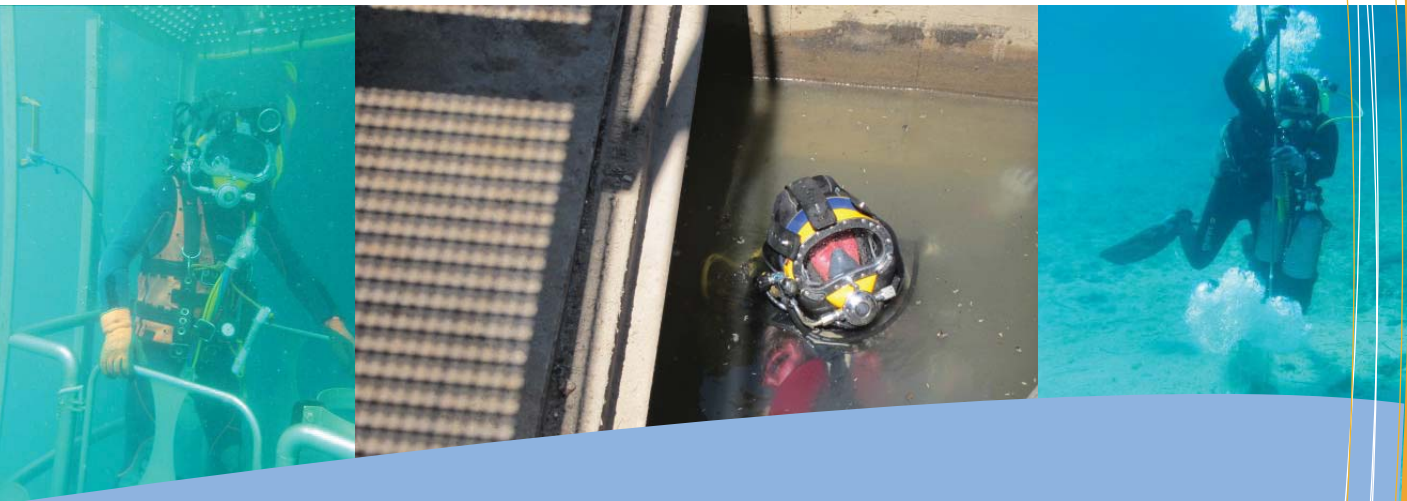



TRAVAUX SOUS-MARINS 3D



Meet our customers's requirement

Installation
Repairs
Inspection
Maintenance
Assistance



TSM3D, *Travaux sous-marins 3D*, is specialized in underwater works, expertise and construction.

Our company was created in 2002 by Mr. JAUBERT Olivier and Mr. BOISSONNET Sébastien, on the shipyards of La CIOTAT.

Our teams, made up of professional divers and deep-sea divers, intervene on national and international sites.

The constraints due to the hostility of the submarine area, require lots of rigour.

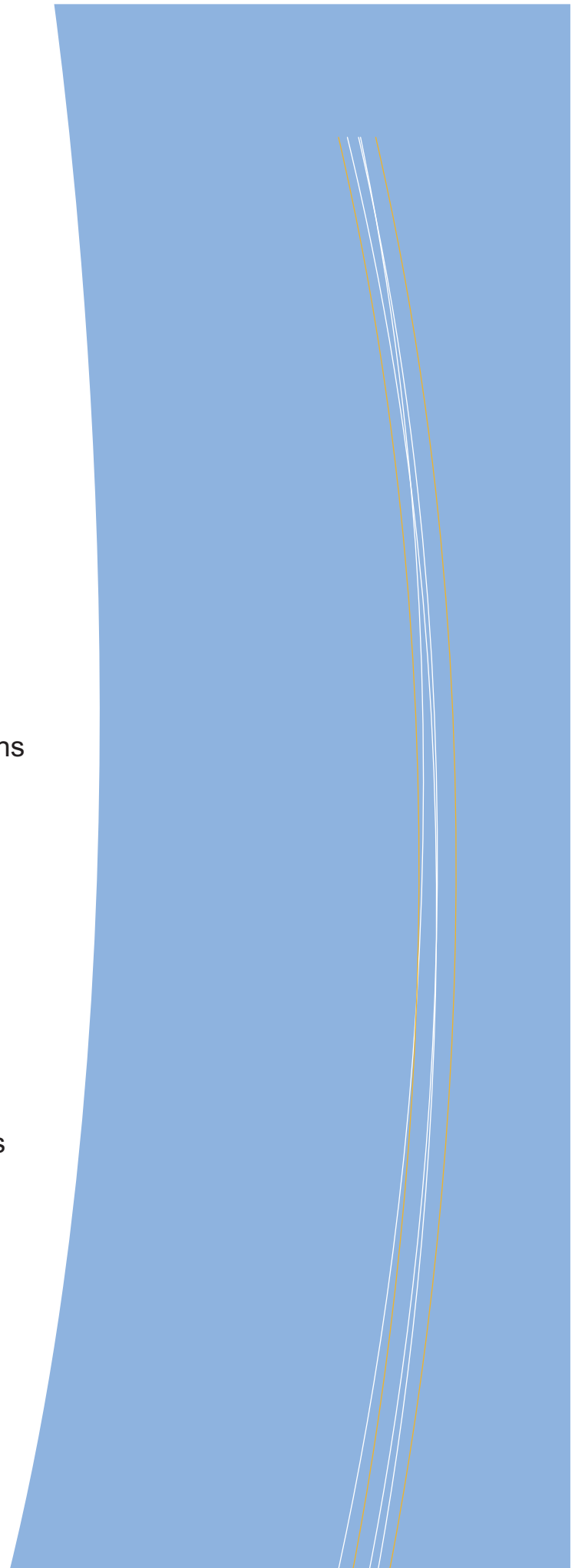
That's why the initial qualification of our divers is strong as well as a regular training on new technologies and safety norms in order to ensure a high quality and safety level to our interventions.

Our philosophy :

- Meet your requirements
- Propose a wide range of technical services thanks to our experience as well as our professional regulatory qualifications
- Commitment spirit
- Quality and Efficiency of our operations
- Safety

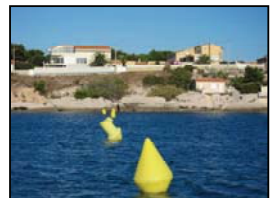
Our values :

- Professionnalism
- Be attentive to our customers's needs
- Reactivity
- Team spirit



Maritime & Fluvial Works

- ⇒ Port's maintenance
- ⇒ Expertise & Inspection (In water survey with photo/vidéo)
- ⇒ Hull's Inspection and cleaning
- ⇒ Intervention in sewage network
- ⇒ Ship's setting in and out dry dock
- ⇒ Wreck, Ship's Refloating/Removal
- ⇒ Cathodic protection setting up
- ⇒ Anchorage / Mooring
- ⇒ Propeller polishing and repairs
- ⇒ Water Intake grid's cleaning
- ⇒ Various cleaning and repairs
- ⇒ Underwater welding, cutting....



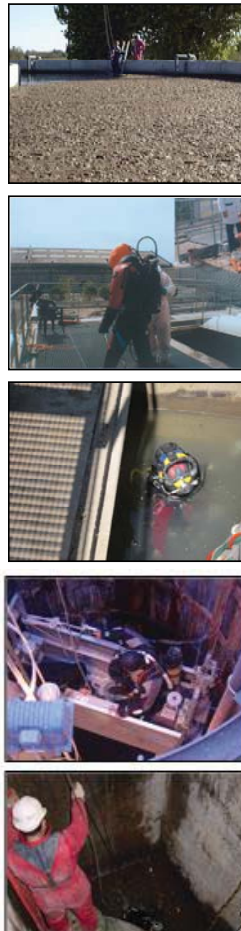
Public Works

- ⇒ Canal bank, bank shore, seawall, dyke.....'s reinforcement
- ⇒ Over river bridge/dam's (civil engineering construction works) inspection & repairs
- ⇒ Weir, levee and water well's inspection, repairs and maintenance
- ⇒ Dredging
- ⇒ Cutting
- ⇒ Welding



Hostile areas

- ⇒ Waterworks, pipeline, wastewater treatment plant, sedimentation tank.....'s inspection, repairs, cleaning....
- ⇒ Water pumping
- ⇒ Video/photo's Inspection/survey



Equipment



⇒ **“PROSUB 1” aluminium ship**

- Power operated 90CV
- Length 7m / Width 2m
- Flat bottom draft 50cm maximum

This ship has a hydraulic windlass with a capacity of 300kg



⇒ **“EL DIABLO” Vaillant semi-rigid ship**

- Power operated 2 x 115CV
- Length 7.50m / Width 2.85m
- Flat bottom, draft 50cm maximum

This ship allows quick moves and has an important load capacity (till 22 persons on board)



⇒ **“ZOULOU VI” semi-rigid ship**

- Power operated 90CV
- Length 6m / Width 2.45m

This ship can be containerized or drawn by a vehicle

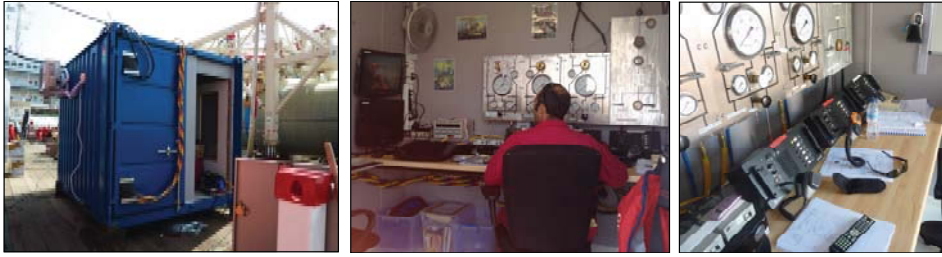


⇒ **“TSM3D” rigid ship**

- Power operated 20CV
- Length 3.80m / Width 1.60m
-

This ship fits with small operations or port activities

TSM3D's equipment for rent



⇒ Control Room

Our control Room includes a panel for the gases in order to handle all the umbilicals as well as communications means, a back video and lighting



⇒ Lars

Complying with the IMCA's rules, this lift is made for 2 divers going down at the same time, and can reach a depth of 75 meters.



⇒ Decompression Chamber

This double lock decompression chamber is built according to the Lloyd's Register Shipping rules.

This containerized decompression chamber can easily set up on shore and on barge / vessels.

For rent also :

- Underwater Video Camera,
- Underwater lighting
- Underwater cutting set,
- Underwater Grinder
- Underwater hydraulic impact wrench ,.....

*Equipment for rent,
please contact us*

Some references ...



Water Intake laying and connexion

Terga Thermoelectric Power Plant (Algeria)



GRP pipe laying and connexion

Thermal Power Plant in Syrte (Lybia)



Water pipe repairs

La Ciotat

Some references ...



Seawater Pumping Station cleaning



Intervention in a well

Tunnel crossing the city of Toulon



Beach Beacons - Martigues

But also.....



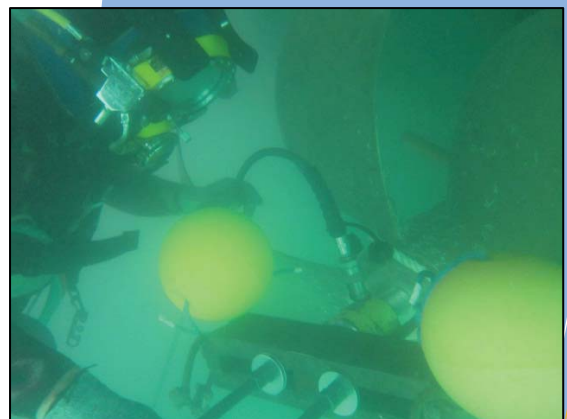
Ship's refloating

La Ciotat



Inspection, Survey

Anse du sec



**Propeller removal,
cleaning ...**

UNDERWATER WORKS :

INSTALLATION

REPAIRS

INSPECTION

MAINTENANCE

ASSISTANCE.....



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