

## HYTECH DIVING SYSTEMS ON BOARD SHIPS

Hytech has considerable experience in building complete diving systems on board e.g. diving support and salvage vessels.

For Smit Tak Diving and Salvage Company, we have equipped several vessels with air-diving systems, among others the 'Smit Orca'.

Such systems of course are made to the clients needs.

To serve as an example, we would like to include the system as it is presently operating on board the 'Smit Orca'.

The system includes two low pressure and two high pressure compressors, both with air-banks.

Two 50 liter 200 bar cylinders serve as emergency supply for the stand-by diver.

All reducers, pressure gauges, depth gauges, diver communications, and links to the bridge, office, deck, decompression-room are concentrated in one cabin.

From here the diving supervisor has complete control over all diving operations. The air to the divers runs below deck to a cabinet next to the water entry site. This avoids damage-risks to the divers umbilical, like when they are all over the work-deck.



*Diving control cabin.*



*Interior of the diving cabin, with diving control panel.*

Communications to the divers can be switched to this cabinet also, in this case the tender is able to listen to the communications. Systems like these are a specialty of **Hytech**.



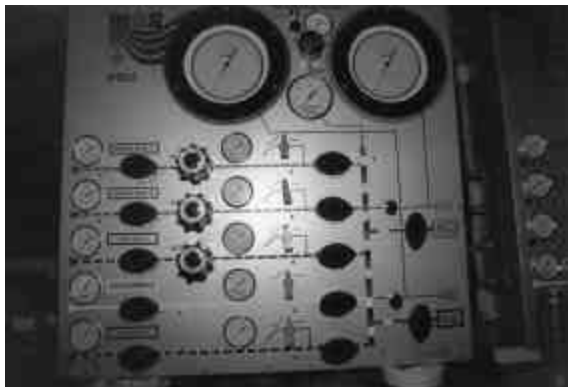
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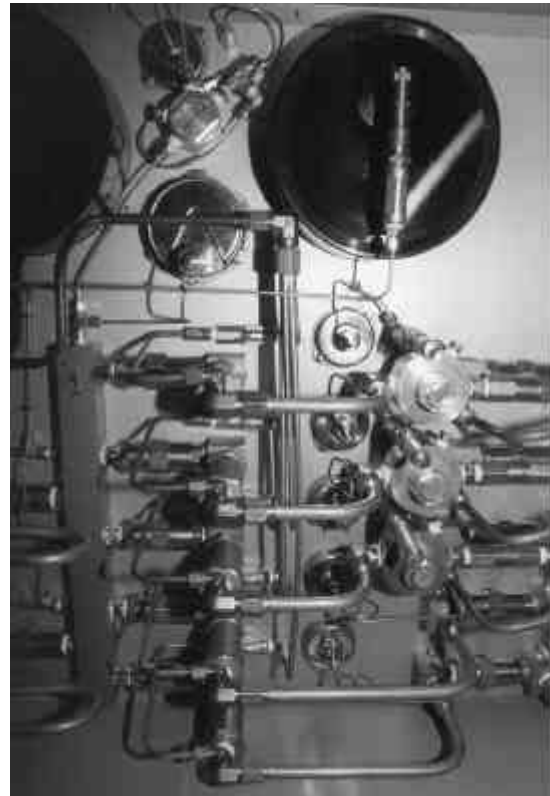
*Umbilical cabinet at water entry site.*

The ships we have equipped are operating world wide, such as: Middle East, Far East, etc.

All diving systems are installed to the users specific requirements to comply with the safety regulations for diving operators, such as Lloyds Register of Shipping, AODC, NPD, and HSE.



*2 -diver mixed gas control panel.*



### **MIXED GAS PANELS**

Mixed gas is used more and more in commercial diving applications. Not only for deep-diving, but also for shallower work.

Deep diving relies mainly on heliox, while nitrox finds its way to the more 'normal' diving work.

Mixed gas needs more equipment though, and a specialized company to manufacture these.

**Hytech** has experience on mixed-gas panels too.

For example diving systems are installed by us on board of: -Diving support and anchor handling ships.

***For further information please contact us.***

