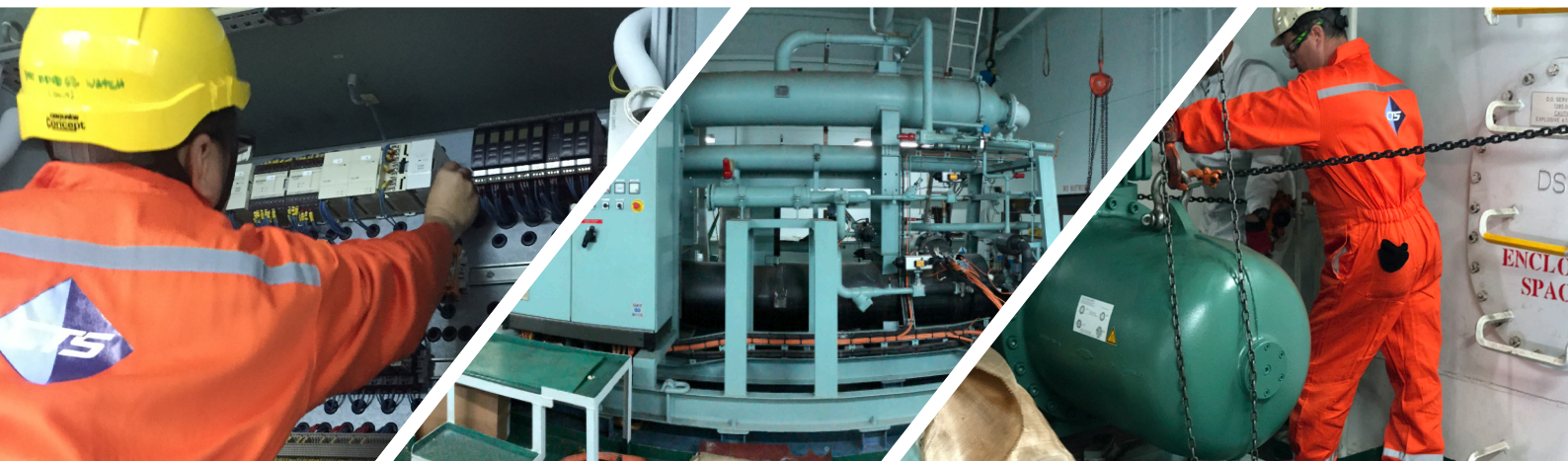




# AFLOAT REPAIRS



## Inert Gas System Upgraded with BITZER Compressor

### Overview:

Approached by Leading Oil Major to carry out works on two of its tankers, CTS was engaged to upgrade the chiller cooling systems for inert gas production.

Due to having to maintain normal operations of the vessels, the obstacle to this project was that the system would always be running and could not be removed. In order to circumvent this CTS suggested that the best course of action in this case would be to upgrade the system with the BITZER compressor in-situ thus not disturbing usual operations.

### Scope of Works:

- Renew the old Hartford compressor with the BITZER.
- Update the PLC program to support the modification.
- Work on stainless steel pipes to enable the new connection.
- Test and commission the entire system from combustion to the production of inert gas.

### Result:

Upon carefully studying the system in order to accurately convert the obsolete compressor with the new BITZER, CTS was able to upgrade the PLC and return it to a fully functioning state.

All possible due to the vast experience gained from many EPC jobs completed by our specialist HVAC teams worldwide and their knowledge and know-how when tackling any obstacles that arise. This included managing to complete hot work inside the IG room of an LNG tanker (carrying flammable product), by conducting excellent safe practices and impeccable high standard HSSEQ culture of our teams.

**CLIENT:** Leading Oil Major

**VESSELS:** Aamira and Zarga LNG

**DATE:** Sep - Oct 2018

**LOCATION:** Cardiff, Qatar, Korea

300

MANHOURS

5

PERSONNEL

21

DAYS EACH

0

ACCIDENTS

### Client Feedback:

*Helpfulness and conduct of project staff was excellent, as was the safety induction on arrival.*

*Would recommend CTS services to others and we have contracted CTS to complete work on a sister vessel.*

*- Chief Engineer*