



# AFLOAT REPAIRS



## 3-D Scanning & Installation of BWTS Completed with Zero Downtime

### Overview:

CTS was contacted by a shipping and maritime group to fabricate and install a BWT system for one of their container ships. A 9 person team of skilled fitters and electricians were dispatched to carry out the piping installations and cabling work on board during the vessel's voyage to prevent downtime. A 3-D scan was taken of the space allocated to the BWT system and a model was prepared to evaluate the current layout of the area in order to design the BWTS. The pipes were prefabricated, and hot dip galvanized as a long-lasting, cost-effective solution to help prevent corrosion.

### Scope of Works:

- 3-D Scanning, design and engineering
- Prefabrication and fitting of piping foundation and supports
- Supply of cables and installation of electrical works
- Installation of Alfa Laval PureBallast Compact type 600 Flex

### Result:

The CTS team finished the scope of works over the span of 25 days, all work was executed during the vessel's route and completed without disrupting the journey. With regard to the intricate nature of the project, the client acknowledged CTS's expertise and ability to provide practical solutions.

**CLIENT:** Shipping & Maritime Group

**VESSEL:** Container Ship

**DATE:** Oct-Nov 2019

**LOCATION:** From Europe to the U.S.

2700  
MANHOURS

9  
PERSONNEL

25  
DAYS

0  
ACCIDENTS

### Client Feedback:

*"Excellent, surpassed expectations. The task was very well organized, the workers were very experienced and professional. High safety standards observed, would recommend for a future project."*

- Technical Superintendent