

## GRP Solutions for Marine Industrial Projects

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### ABSTRACT

Established in 2010, Global Composite Group (GC & GCS) is a client and market driven GRP (Glass Reinforced Polymer) and GRC (Glass reinforced Concrete) products specialist having its manufacturing base Umm Al Quwain; UAE. Within short period, Global Composite gained credibility on export markets countries such as Mexico, Peru, Brazil, Colombia, South Africa, Morocco, Spain, Netherland, Germany, England, Thailand, Malaysia, Egypt, Kuwait, Saudi Arabia, Oman, Qatar and Bahrain.

The desalination market in the Middle East is well known for the fast pace of the projects and the high competitiveness of the market, which continuously stresses the owners and contractors to explore improved designs that can satisfy time and cost constraints, and complying with local and international regulations and standards.

During the last few years Global Composites took this challenge, and based on a solid technical knowledge and by benefitting of having one of the finest production facilities in Middle East, supported consultants/designers, contractors and operators in successfully delivering their projects. This was achieved by transferring and developing further a consolidated experience in custom made products from Modular Shelters, Radar Radomes, Cooling Towers , Cabinets and other products, into GRP marine applications such as intake towers and intake screening systems.

GRP intake towers are pre-fabricated on factory, transported on containers/ trailers to site and assembled and installed on site. Our GRP intake towers are combined with the different manufacturing process in order to meet the project requirements.

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GC is a pioneer on the MENA region in providing intake tower projects solutions to the clients, saving time and cost on the overall marine component of the project. Our list of projects are:

- Al Khafji SWRO Desalination Plant 60,000m<sup>3</sup>/day , KSA , 2017
- El Galalah SWRO Desalination Plant , 150,000 m<sup>3</sup>/day , Egypt, 2017
- King Abdullah Economic City SWRO, 90,000m<sup>3</sup>/day , KSA , 2018
- East Port Said SWRO Desalination Plant , 300,000 m<sup>3</sup>/day , Egypt, 2019
- Extension of Layyah 900MW Combined Cycle Power Plant , UAE, 2020
- El Arish SWRO Desalination Plant , 150,000 m<sup>3</sup>/day , Egypt, 2021