

Ocean Structures

Ben C. Gerwick, Inc. has worked on offshore GBS projects, offshore steel structures, and floating concrete structures in the Arctic, Pacific, Atlantic, and Indian Oceans since the 1960's for oil companies, contractors, private entities and governments.

Our firm is recognized for the use of unique solutions that reduce cost, minimize risks, and facilitate construction through innovation and the use of technologies developed in other industries. Our firm has developed, implemented, and patented several innovative solutions, methods of construction for foundations in weak soils, concrete technologies, ice-impact resistance, collision protection, and intrusion prevention.



Tow-out of Troll East GBS Platform, Norway



Northstar Offshore Exploration Island, Alaska

Design services include structural steel and reinforced concrete design, foundation design, ice impact resistant structures, vessel collision protection systems, positioning systems, concrete mix design, slope protection, finite element modeling, seismic response,

dropped object analysis, post-cracking stress redistribution analysis, deformation compatibility analysis, liquefaction potential, hydrodynamic loads, float-out and towing analysis, durability, anti-terror and intrusion prevention.



Goodwyn Platform, Western Australia



Hibernia Platform, Newfoundland