

# Palm Jumeirah Megayacht Marina

## Island Global Yachting and Nakheel

### Dubai, U.A.E.

#### Services Rendered

- Concept Planning and Design
- Schematic Program and Water Use Plans
- Marina Engineering Feasibility Assessment
- Concept Design
- Palm Jumeirah Megayacht Market Assessment
- Site/Geotechnical Investigations
- Analyzing Met-Ocean Offshore Design Conditions
- Numerical Modeling (Wave Models and Shoreline Evolution Models)
- Schematic Design
- Design and Build Tender Package

#### Project Summary

Palm Jumeirah Megayacht Marina, located midway along the western shoreline of the Palm Jumeirah Trunk, is planned to be the premier megayacht facility in the Middle East region and the world. A state-of-the-art marina and yacht club facilities, lavish architectural finishes, VIP and VVIP security restrictions, and consistent attention to detail throughout the entire development will set the marina apart from all other megayacht facilities.

ATM provided expertise and consulting for the megayacht marina development including berths for 30 of the largest megayachts in the world between 50 m and 160 m and an additional 44 berths between 15 m and 50 m. The development includes reclamation of 6Ha of land and about 1,200 m of fixed pier (steel pile with reinforced concrete deck) in 18 m of water and associated floating pontoons and utilities. The design included wind and wave modeling, design load assessment and adoption of specific requirements for “white hull” megayachts, including high absorption fenders, bollards, and ancillary components.

ATM prepared documentation for design and build package for the coastal, marina and infrastructure works. The design and build package contained a high level of documentation including edge treatment, reclamation, fixed piers, floating pontoons and all utilities required for the development.

