Engineering Structures for Life



TRANSPORTS - PORTS

APDL - Touristic Marina

ABOUT

In the context of the project for the expansion and rehabilitation of the Marina of Leixões and its surroundings, GEG developed the conceptual design and detailed design of a new quay bridge, including the geological and geotechnical studies for the foundation, the structural design, the coordination of architecture and engineering design. GEG also performed on-site technical support.

This quay bridge would be used to support an international sailing event in 2007 but would also become a permanent structure, aiming thus a long life cycle and reduced maintenance requirements. With that purpose, it was chosen a fixed bridge/pier solution, which establishes continuity between the existing quay, with access to the marina, at the water level, through a floating pontoons dock, and a linking ramp.

The quay bridge's deck is 10 meters wide and 60 meters long. The deck uses a composite solution, with concrete slab, mostly pre-cast, supported on steel profiles.

MORE IMAGES

FACTS

Year: 2006
Client: APDL – Administração dos Portos do Douro e Leixões
Services: Detailed design, Structural Engineering, Foundations design, Plumbing design, Consulting and on-site technical support

TEAM

LOCATION

Matosinhos, Portugal

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