

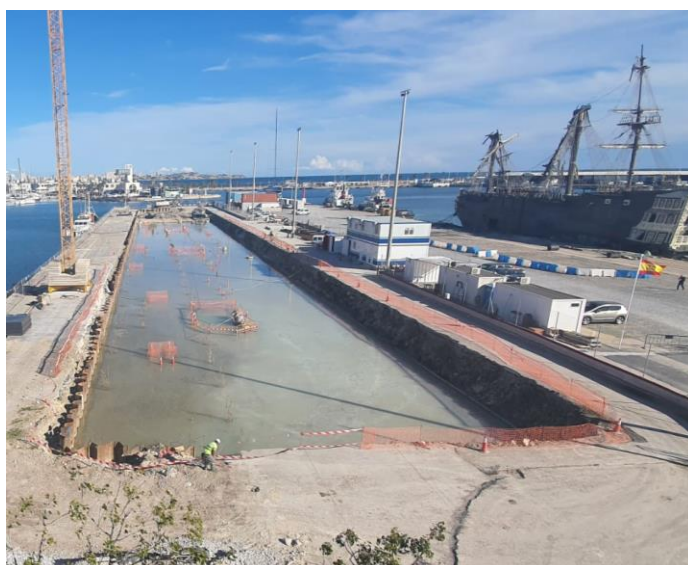
Distrito Digital Building (Alicante, Spain)

Classification	New construction
Type of structure	Business complex on dock with below grade level
Place	Dock 5, Alicante - Spain
Time	December 2021 – June 2022



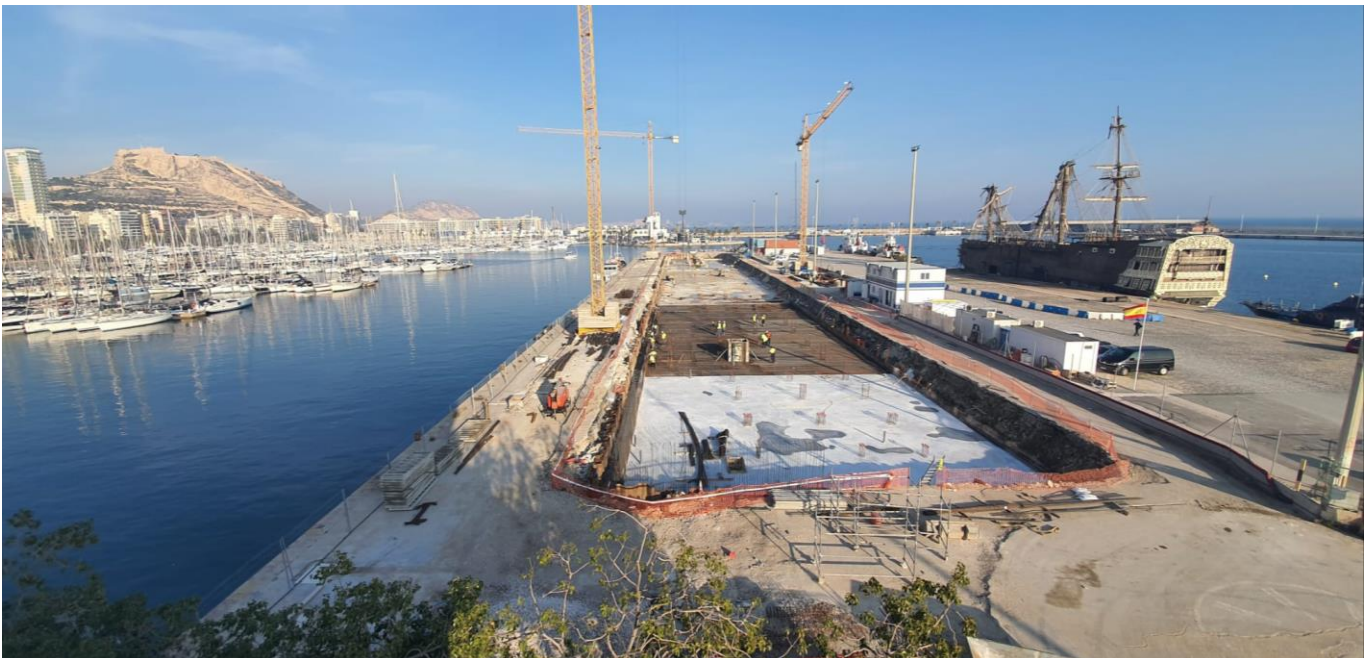
Project	<p>This business complex will be the fifth headquarters of “Distrito Digital” in Alicante, a project of the Valencian Government which promotes tech startups and digital and technological development. This 10 million euro investment is set to modernize the dock area and generate over 500 IT jobs.</p> <p>The bid was won by Fomento de Construcciones y Contratas, S. A. (or FCC) as the main contractor, with works starting late 2021. When completed, the complex will be composed of four buildings, each with a footprint of 1200 m² with a modern design emulating the look of shipping containers.</p>
Application methods	<p>The project required a basement due to height restriction laws imposed by the local government, which did not allow for any building to obstruct the view from the city. This resulted in the need to build below the water level, which put the sea level above the 40 cm thick slab and made membrane systems impossible due to the jobsite conditions.</p> <p>Instead, a full tanking solution was applied using Krystaline Add1 concrete, metal waterstops and joint design treatments with Krystaline CSH products. This allowed for all five stages of the slab to be poured while controlling the level of the water.</p>
Products Applied	Krystaline Add1 dosed at 1 kg/m ³ to waterproof a total of 2240 m ³ of concrete for the basement slabs and walls.
Results	The waterproofing system was applied successfully, ensuring a completely dry basement, providing effective protection for the reinforcing steel and allowing a difficult project to move forward with no time delays. The building complex is set to begin its activities in early 2023.

Initial State:



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First slab pour in late December 2021:



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Progress as of March and June 2022:

