



## Conservation / Other infrastructure

# Upgrading the public space of Port Vell in Barcelona to improve the pedestrian experience

### Client

Port Vell

### Cost

€338,635.12 (excluding VAT)

### Location

Barcelona

### Work period

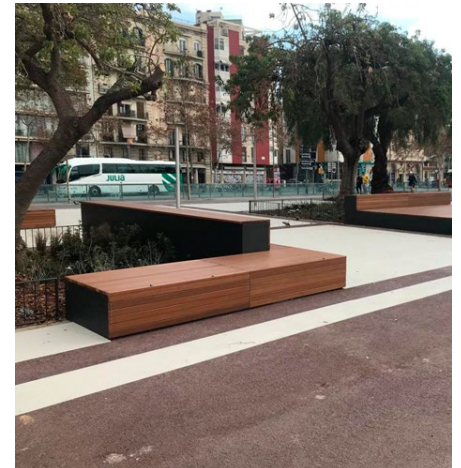
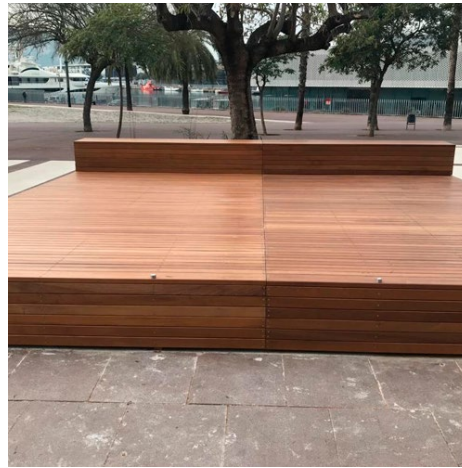
July to December 2021

### Project management

Port Vell and Port de Barcelona

### Scope

Upgrade and improvement works on the public space of Port Vell in Barcelona to create climate refuges to provide areas for pedestrians to rest.



## Description of the work

A public space with a high influx of tourists, Port Vell in Barcelona serves as a linking point between the Gothic Quarter and La Barceloneta and a large pedestrian area that runs from the Columbus quay to the beach of La Barceloneta. These works create climate refuge spaces that include planter modules, rest areas, water sprayers, recycling bins and low-heat index paving. The work is categorised into three groups:

1. Preliminary work, such as dismantling and stockpiling existing elements.
2. Civil works, notably the levelling and anchors for the new installations and the formation of the foundations, blocks and bases.
3. Installation of new furniture, planters, benches and bins, flowerbed protection railings and the supply and planting of vegetation.

This last point is vital because it creates a more pleasant urban space by providing areas for rest. Given its location, plant species resistant to salinity and high temperatures have been used that ensure good drainage and respect the Mediterranean environment, such as *Tamarix gallica*, *Callistemon*, *Asparagus*, *Myoporum parvifolium* and *Westringea fruticosa*, among others.

The rest areas have been designed with modules that integrate the seat with the planter and allow users to relax among the vegetation, improving the pedestrian experience. In addition, a series of poles with a water spray system have been distributed irregularly throughout the port to help mitigate the high temperatures on the hottest days.

## Main service details

<b>Levelling for laying pipelines</b>	144.40 ml
<b>Reinforced concrete foundation with formwork for furniture anchoring</b>	418.63 ml
<b>Supply and installation of bespoke planters</b>	48 units
<b>Bespoke bench modules, consisting of a galvanised steel structure and wooden slats</b>	76.78 ml
<b>Water spray columns</b>	12 units

<b>Protective enclosure for trees on Passeig Joan de Borbó</b>	287.07 ml
<b>Coating with low heat index paint</b>	1,466.96 m <sup>2</sup>
<b>Vegetation modules in flowerbeds and raised beds</b>	70 units
<b>Galvanised and lacquered steel tree surround for the protection of planters and trees</b>	19 units