



Green infrastructure / Landscaping management

Replanting work on a 50-tonne *Tilia cordata* tree in Barcelona

Client

Barcelona City Council

Cost

Location

Barcelona

Work period

2021

Scope

Use of the Treeplatform® system to replant a 50-tonne *Tilia cordata* specimen with a full canopy measuring 4.5×4.5×1 m, on the Carretera de Ribes road in Barcelona.



Description of the service

Commonly known as linden, this tree, which is widespread throughout Europe, bears the scientific name of *Tilia cordata* and can reach up to 30 metres in height.

At the request of Barcelona City Council it is necessary to replant a 50-tonne specimen located on the Carretera de Ribes road. With a full canopy of 4.5 m x 4.5 m x 1 m, the biology and phenotype of the tree justify the use of the Treeplatform® system for its transplanting.

This method is split into two phases:

1. Preparation work, including inspection pits to redefine

the rootball as well as the installation of an irrigation system and temporary anchoring. The machinery is then positioned, the Treeplatform® is installed and anchored for movement.

2. Movement and planting: Once the ground has been prepared, the tree is repositioned and lifted by crane. The second movement of the specimen to its final location involves the planting and installation of a final anchoring system using steel cables.

Finally, an automatic watering system is installed and 10 cm of mulch is laid.