

HELICAL PILES SUPPORT A STRUCTURAL PROJECT IN SPAIN



STRUCTURAL SUPPORT PROJECT ON PILES

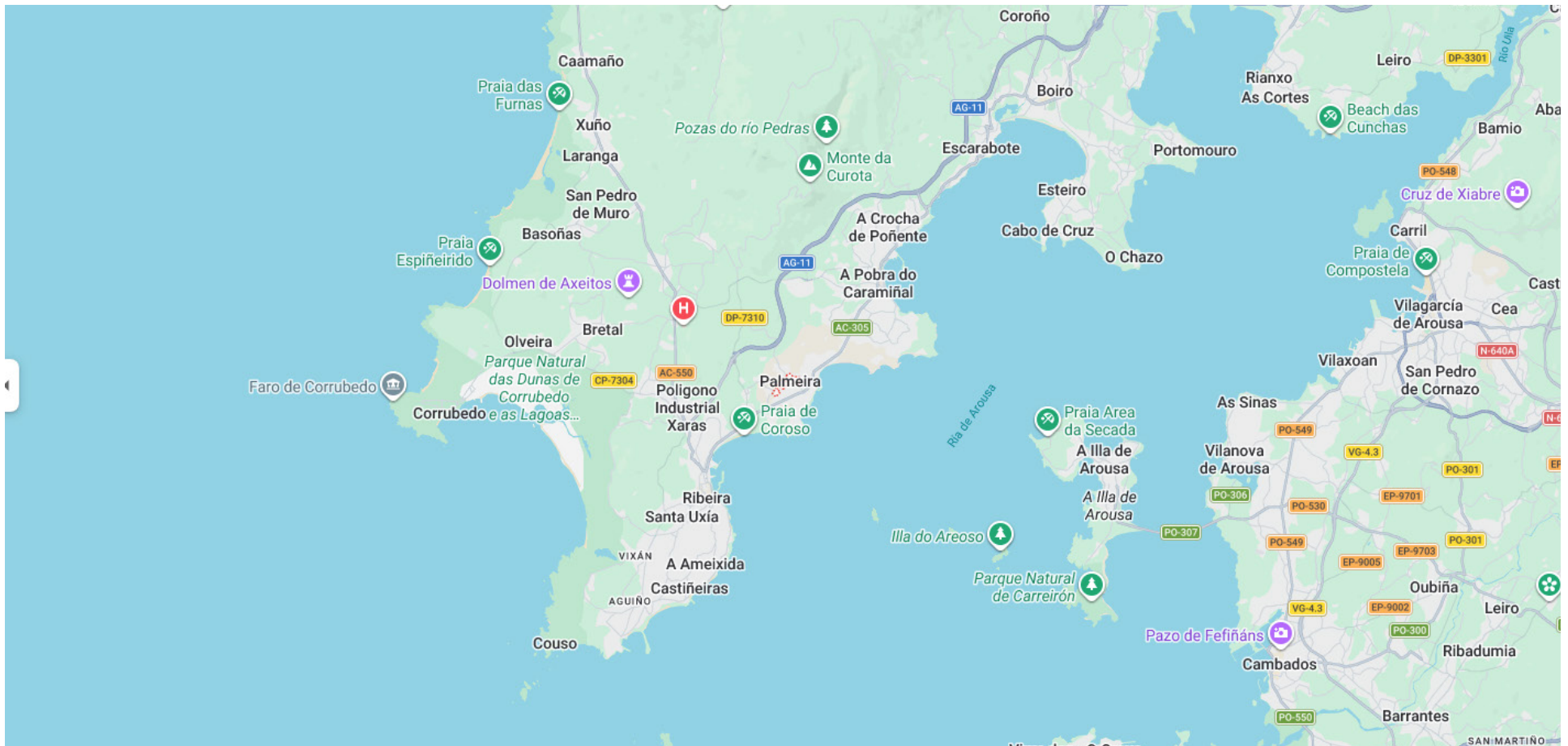
Type of Project

- Installation of helical piles by Techno Metal Post Lleida for a structural support project in a residential area in Ribeira, Spain.



PROJECT LOCATION

Palmeira, Ribeira, Galicia (Spain)





CHALLENGES

- Variable ground conditions typical of the coastal Galicia area;
- Different installation depths required depending on soil conditions;
- **Integration of piles along with a concrete slab** built by the contractor;
- Residential site constraints.



SOLUTIONS

- Installation of 13 P4-12 helical piles;
- Installation depths between 2 and 4 meters depending on location;
- Adaptation of pile installation to suit ground conditions and load distribution;
- Preparation of **pile caps** to support a concrete slab that was later built by the contractor.



PROJECT





PROJECT





PROJECT





PROJECT





RESULTS / CONCLUSION

- All 13 P4-12 piles were successfully installed with adapted depths according to site conditions.
- The Techno Metal Post solution provided a suitable base for a concrete slab, ensuring continuity between the foundation and the final structure.



DEALERSHIP:
TECHNO METAL POST LLEIDA