

WASTEWATER PLANT SOLUTIONS

CLIENT	TERSAQUA TRATAMIENTO Y DEPURACIÓN DE AGUA
LOCATION	PALOS DE LA FRONTERA, HUELVA, SPAIN
USE	WASTEWATER TREATMENT
PRODUCT	INCLINED AND VERTICAL STAIRWAYS, WALKWAYS, HANDRAIL SYSTEMS AND GRATINGS
SERVICE	ENGINEERING DEVELOPMENT SERVICE AND SUPPLY OF PRE-ASSEMBLED STRUCTURES



OBJECTIVE

Certain areas of the facility **required solutions** to support the structures, which, however, could not interfere with the plant's mobile overhead crane.

The civil works were still incomplete, making it impossible to conduct a comprehensive survey of the existing conditions. Based on the technical drawings alone, solutions had to be developed that could adapt to potential discrepancies between the drawings and the civil works still under construction.

SOLUTIONS

The greatest challenge involved the lack of walls on which to anchor one of the inclined stairways. **A cantilever solution was thus developed to compensate for the gap between the stairway and the wall**, without compromising stability or mechanical strength.

To prevent interference with the mobile overhead crane, a **detailed model** was developed, allowing the client to verify its compatibility with the existing structure and avoid hazardous interference during crane operations.

In areas where the civil works were still incomplete, **FRP structures with extended-length main profiles were constructed, and detailed drawings with instructions for on-site adaptation** during installation were provided.