



PROJECT

Foundation for 500kV and 150 kV High Voltage Towers

LOCATION

Uruguay

INFORMATION

Area: Civil works
Market: Energy infrastructures
Year of completion: 2022
Developer: Consorcio SACEEM-Ingener
Final client: Tealov S.A. – UTE
Our work: Detailed Design

DESCRIPTION

The project involves the design and construction of two high-voltage electrical lines: a 500 kV electrical transmission line spanning 34 miles, connecting the new Cardal substation to Punta del Tigre, and a 150 kV electrical transmission line extending 12 miles, connecting Salto Grande to the Salto B substation.

SOLUTION

RDA Engineering carried out the foundation project for the 209 towers of both lines, which were constructed using various types of drilled piles, depending on the tower type and the varying soil conditions. We provided both the necessary technical solutions and the corresponding reinforcement detailing for the elements. Additionally, we conducted the structural design of the frames at the connections between the lines and the substations.