

CAMPEIRA DAM - CITY OF CRISTALANDIA

CRISTALÂNDIA - TOCANTINS - Brasil



TYPE OF PROJECT
**Weirs, Culverts And
Transverse Structures**

YEAR OF CONSTRUCTION
2022

CLIENT
**IMPERMAX ENGENHARIA
LTDA**

CONTRACTOR
**IMPERMAX ENGENHARIA
LTDA**

DESIGNER
HATCH CONSULTORIA

PROD. RELATED
Gabions (200 M)

Challenge

The Campeira Dam is responsible for supplying water to the city of Cristalândia (TO) for most of the year. A few years ago, after intense periods of rainfall, the dam's spillway, which was 7 metres wide, was not sufficient

to release all the excess water from the reservoir, causing it to overflow and consequently the erosion of the shoulders and the dam's structure to be compromised.



before the construction



before the construction

Solution

After complex hydrological studies, the dam was resized. The width of the spillway was increased to 125 metres and it was lined with PoliMac® gabions, which made up the whole: sill, staircase and dissipation basin.

The choice of technology made it possible to build an efficient hydraulic energy protection and dissipation structure with high abrasion resistance.



during the construction



during the construction



after the construction



OPEN GOOGLE MAPS



OPEN GOOGLE EARTH