



Itaipu Binacional: Crack Detection for Hydraulic Power Dam

SUMMARY

In 2016, NEXCO worked with Itaipu Binacional, a binational entity established in Brazil and Paraguay. Using the Automatic Camera System (ACS), cracks in concrete structures could be mapped and found by capturing multiple high resolution images and stitching them together. This project included processing software, hardware, training, and technical support.

The crack monitoring was previously done manually and demanded enormous amounts of time and effort due to the dimensions of the dam. The purpose of this acquisition was to monitor and follow up the cracks in the dam more efficiently. More frequent, accurate data will allow for and contribute to the maintenance and security of the power plant installations.



OVERVIEW

Client: Itaipu Binacional

Contact info: Mr. Étore Funchal de Faria
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Contract amount: \$ 100,000-\$140,000

Quantity: Hardware, software, training, and technical support for three years.

Project period: Jul. 2016 – Jul. 2019
(Ongoing technical support)



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