

INNOVATIVE CORROSION DETECTION IN DAM STRUCTURES

Inspection of a dam using iCamm technology. The aim was to evaluate the corrosion level of the dam reinforcement, particularly assessing any internal damage or weaknesses.

CHALLENGES

The main challenges included the dam's complex structure, the need for a thorough inspection of large surfaces, and the requirement to identify potential internal corrosion without disrupting the dam's operation.

SOLUTIONS

iCamm technology was utilised for its superior imaging capabilities. It provided a non-intrusive way to inspect the dam, offering detailed internal views without the need for physical intervention.

RESULTS

iCamm delivered high-resolution images and data, revealing crucial information about the corrosion of the dam. It identified areas of concern, helping in pre-emptive maintenance planning.

BENEFITS

The benefits of using iCamm included enhanced safety through early detection of reinforcement corrosion, reduced inspection time, cost efficiency compared to traditional methods, and quantitative data for informed maintenance strategies.

