LISIE

CLEANING OF THE BOTTOM OUTLETS AT THE GÉNISSIAT DAM

PROJECT TITLE
Génissiat dam

CLIENT
CNR (Compagnie Nationale du Rhône)

LOCATION
Injoux-Génissiat (01), France

YEAR OPERATION
2025

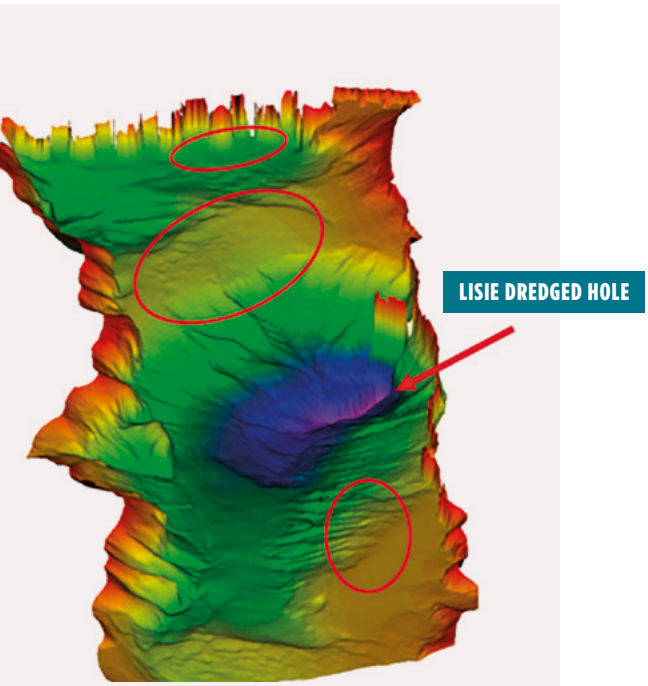
PROJECT OVERVIEW

The Génissiat Dam, commissioned in 1948 on the Rhône River, is the first dam built on the French section of the river and is often referred to as the “French Niagara.” Operated by the Compagnie Nationale du Rhône (CNR), it plays a key role in renewable electricity production, river regulation, and securing downstream water uses.

The client was faced with a cofferdam stuck in the closed position, due to a sediment deposit estimated at 1,000m^3 upstream. Located at a depth of 65m, this cofferdam protects the bottom outlet gate, which needed to be opened as part of a large-scale sediment transfer operation. The client sought a solution that would minimize underwater human interventions to maximize safety.

TECHNICAL APPROACH & IMPLEMENTATION

Watertracks deployed the LISIE dredging solution, specially designed for confined hydraulic environments, to remove the sediments accumulated upstream of the cofferdam. Compact, remotely operated, and highly efficient, LISIE enabled a safe and precise intervention.



To lower and secure the robot at 65m depth, Watertracks used its dedicated floating pontoon, specifically designed to ensure the safety of LISIE's operations.

The extracted sediments were discharged 200m downstream, in an area where resuspension is not possible.

"The precision of the LISIE robot and its ability to operate continuously 24/7 ensured the success of this operation, in full compliance with all contractual commitments and with the strict schedule imposed by sediment transfers from Switzerland (APAVERS)."

RESULTS & PERFORMANCE

- **>1,000m³** of sediments to be removed.
- **65m** Working depth.
- **200h total** of precision underwater dredging.
- **24h/5d** production.
- **Zero** accidents.

TEASER – Photos credit: Watertracks – 10/2025

WATERTRACKS