

# Gates for dams and rivers

We have delivered many large and middle-sized gates for dams and rivers including high-pressure dam gates and large river gates, and also penstocks and steel pipes. Based on such experience, we help to prevent disasters and conserve the environment by building safe and reliable gates: we develop control techniques for large flap gates for tsunamis, as well as disaster-prevention measures at existing facilities; we offer implement maintenance, repairs, and improvement; and we aim to contribute to the further sophistication of facilities and the building of a safer Japan.

A gate for a dam is a facility used to control the huge water pressure stored in a dam lake. In addition to facilities for flood control, which is the main purpose of a dam, there are many kinds of controlling facilities, including flow adjustment facilities to keep the flow level of a river stable, selective water intake facilities to take in water of a suitable temperature, and facilities to control the murky water of a dam. Gates for rivers are facilities used to control the river water. These include floodgates installed in rivers or at river mouths that normally keep the water level of a river stable and let water flow rapidly during flooding, and sluiceways and water gates to take water from a river or to split flow.

We have installed many self-recording systems to help confirm the soundness of operation of facilities or to find defects at an early stage, as well as temporary closing facilities for redevelopment of dams, thereby effectively using existing infrastructures.

Photo (left):Hydraulic Gate, Photo (right):Temporary Cofferdam



## Company Name

Hitachi Zosen Corporation

## Cost Range (K USD)

- 1,000 - 10,000
- > 10,000

## Company Web Page

<https://www.hitachizosen.co.jp/english/>

## Countries with Track Record

- Thailand, Indonesia, Laos, Vietnam

## Technology Web Page

<https://www.hitachizosen.co.jp/products/products025.html>

## Sector - Category - Sub-Category

- Natural Disasters, Coastal Areas
  - Disaster Risk Reduction (prevention)
  - Others

## Track Record

- Introduced in developing countries supported by public finance