YOOIL
ENVIROTECH

HYBRID STEEL GATES

Smart Water Management
With Hybrid Technology

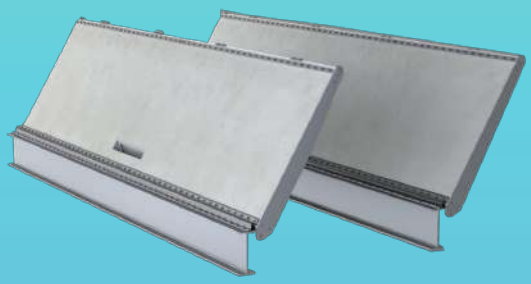
HYBRID STEEL GATES

Hybrid steel gates are smart water management structures used for water management. These gates are called "hybrid" because they combine the strength and durability of steel with other materials to optimize performance and are designed to combine the advantages of both conventional steel gates and other materials, such as rubber or composite materials. The main purpose of these gates is to provide robustness, flexibility, and efficiency in managing water flow in rivers, canals, reservoirs, and other water systems. Their versatility and robustness make them a preferred choice in water engineering projects worldwide

COMPONENTS

Complete Structure

All in one convergence triangular structure that combines sediment discharge panel and debris inflow prevention plate.

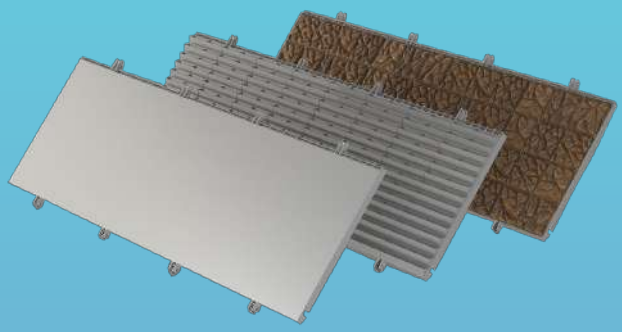


Sediment Discharge Panel

All in one convergence triangular structure that combines sediment discharge panel and debris inflow prevention plate.

Debris Inflow Prevention Plate

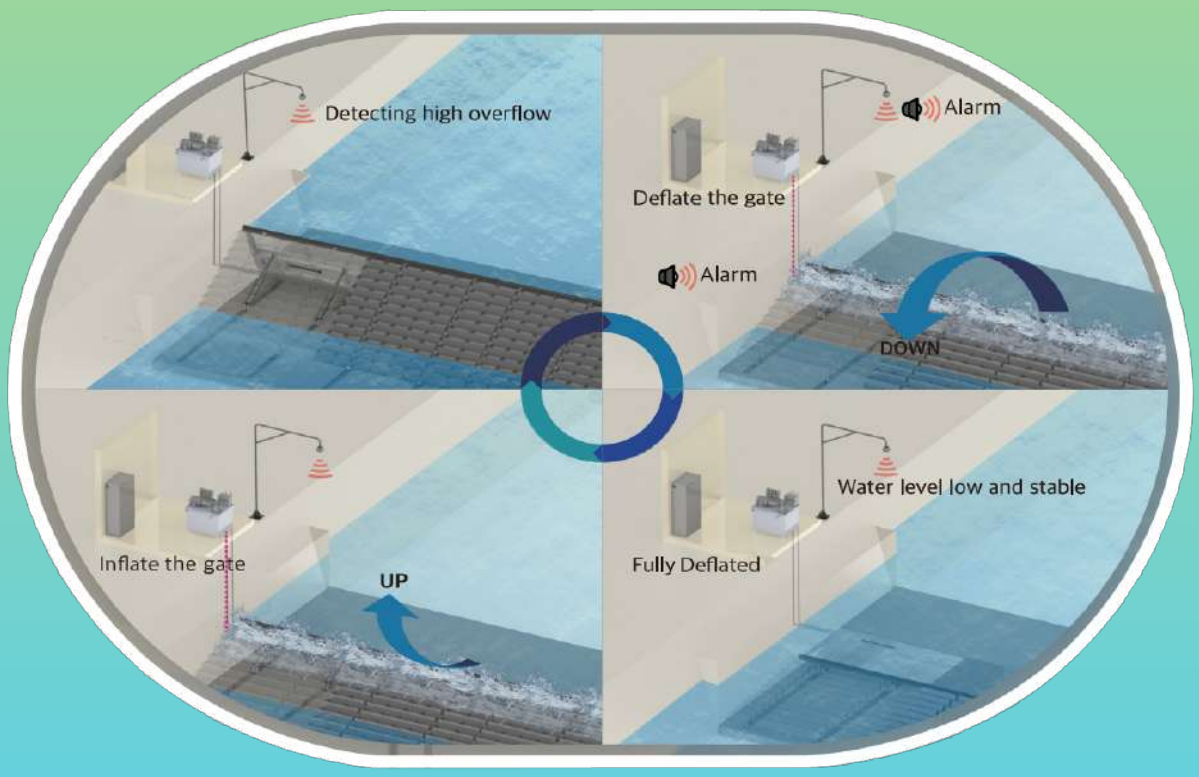
To block debris and foreign substances from downstream



KEY FEATURES

- Low power consumption
- Automatic sediment discharge
- Precise water control
- Quick inflation & deflation
- Automatic operation
- Desing flexibility
- Longer life
- Faster installation
- Low maintenance

OPERATION



DISASTER PREVENTION SYSTEM

First Stage

Automatic water level measurement

Second Stage

Proceed with automatic control in case of flash Flood

Third Stage

Mechanical automatic Deflation with manual mode

APPLICATIONS

- River rejuvenation
- Ground water recharge
- Flood control
- Tidal barrier
- Water diversion structure
- River front development
- Reservoir capacity enhancement
- Water conservation

COMPANY OVERVIEW

- Subsidiary of Yooil Engineering, South Korea established in 1989.
- Providing Water Management solutions for more than three decades.
- Commissioned India's first ever Air- Filled Rubber Dam in 2021.
- Highly Experience engineering, design, and execution team.
- Completed more than 400 projects worldwide.
- Offering innovative technologies like Air-filled Rubber dam, Bituminous Geo-Membrane (BGM), Hybrid Steel Gate and Pocket Dam for advance water management and environment solutions.
- Complete end to end solutions



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