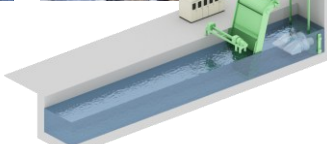
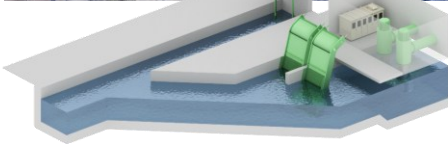
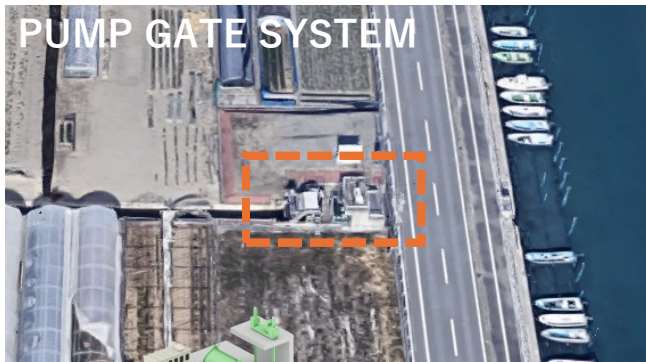
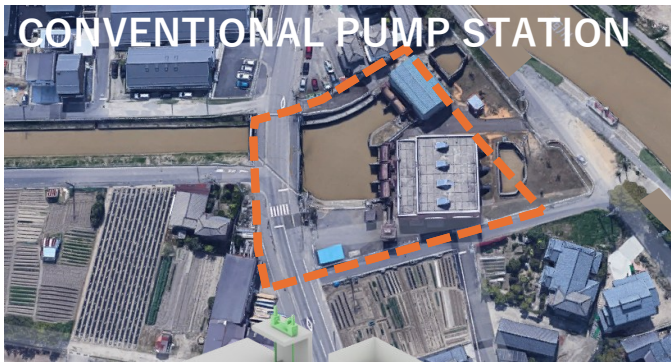


OPERABLE AT ANY WATER LEVEL TYPE SUBMERSIBLE PUMP

Implementing Organization : Japan Sewage Works Agency
Japan Techno Co., Ltd.
Ishigaki Co., Ltd.



COMPARISON



Despite its many advantages, Pump Gate has one drawback: chattering. FloodBuster solves this through its unique operating method, by utilizing the following operating conditions:

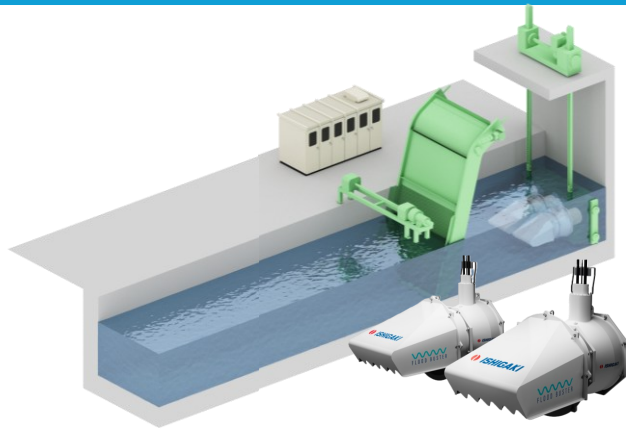


FLOOD BUSTER

Outline of Technology

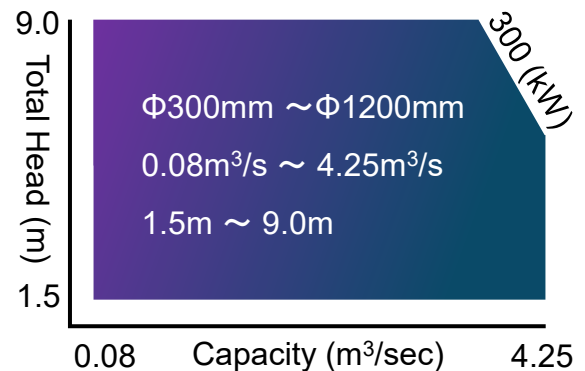
Pump Gates offer many advantages—compact installation, short construction time, low cost, fewer components, and easy maintenance. However, since they are installed directly in the waterway, they are prone to "chattering," where repeated start-stop cycles place a heavy load on the electrical equipment and can cause sudden failure. FloodBuster, operable at any water level, solves this by continuously adjusting its operation instead of repeatedly stopping and starting—eliminating the load entirely and ensuring stable operation.

Features of the Technology



While Pump Gates offer many advantages, their biggest drawback is that they are prone to chattering — frequent, repeated starting and stopping. FloodBuster, an operable-at-any-water-level type horizontal submersible pump, was developed specifically to solve this problem. Because this pump is unaffected by fluctuations in water level, once started it never needs to be stopped — eliminating the chattering problem entirely.

Specifications



Overview of the Demonstration



Vinh City, Nghe An Province, Vietnam (as it was known at the time) was selected as the site for a field demonstration. A technical seminar was held, and a temporary pump gate using FLOOD BUSTER was installed on-site to verify, through an on-the-ground demonstration test, whether smooth any water level operation could be achieved in actual field conditions.

WOW TO JAPAN Project (Wonder Of Wastewater Technology Of JAPAN Project)

Japan Sewage Works Agency, Japan Techo Co., Ltd. and Ishigaki Co., Ltd. conducted a demonstration in 2022 as part of the Ministry of Land, Infrastructure, Transport and Tourism's "WOW TO JAPAN Project (Wonder of Wastewater Technology of JAPAN Project)."