

# FLOOD BUSTER

Yu Kurita ISHIGAKI Company Ltd

### About ISHIGAKI

► Establishment

1958

► Number of Employees (Group Total)

927

► Products





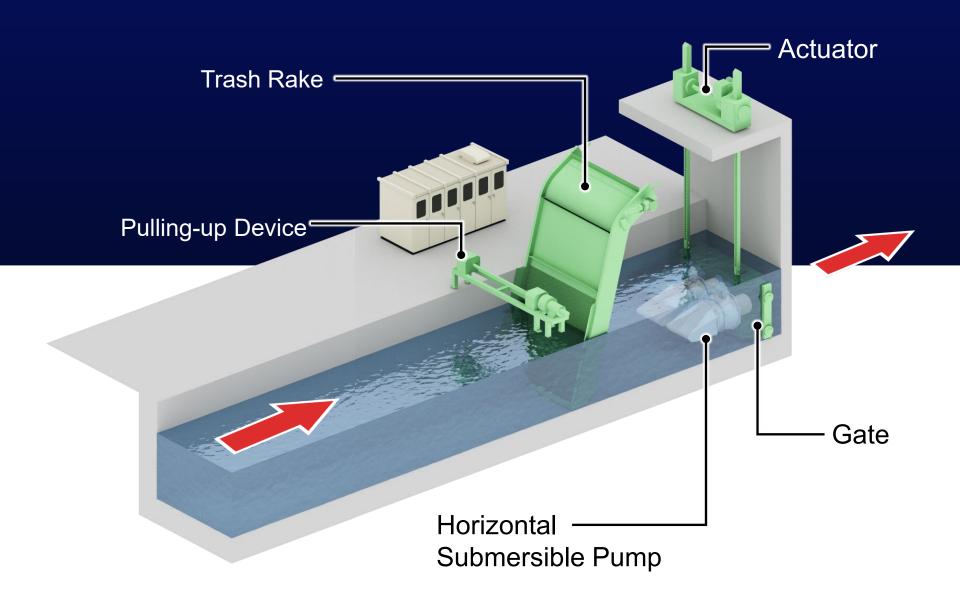




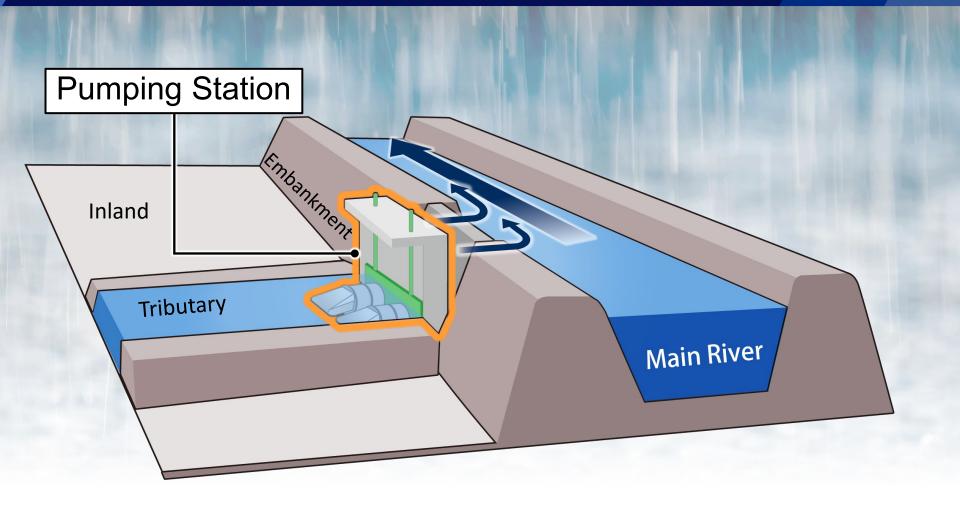




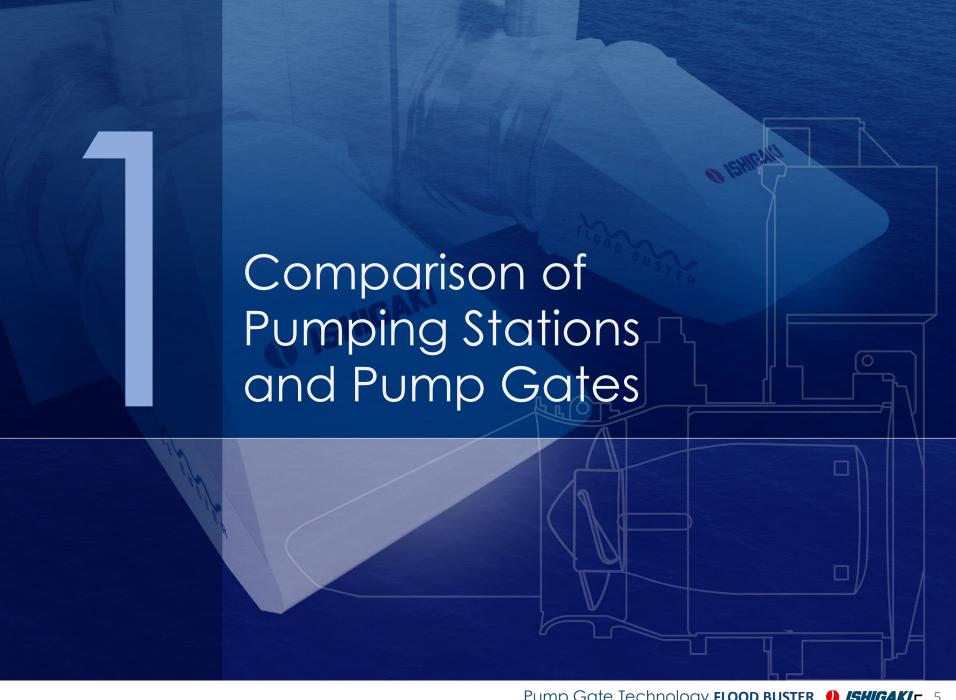
# Pump Gate



# Role of Pumping Station



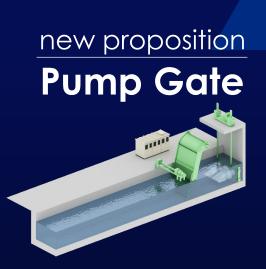
Pump gates and pumping stations prevent flood damage.



Pumping Station



Flood Control





Long construction period



Short construction period



Large land acquisition



Small land acquisition





Pump house



No Pump house





Expensive



Lower cost





Lots of equipment



Less equipment





Lots of maintenance



Less maintenance



# Pumping Station



# new proposition

# **Pump Gate**



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Large land acquisition



Pump house



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Lots of equipment



Lots of maintenance





Small land acquisition



No Pump house



Lower cost

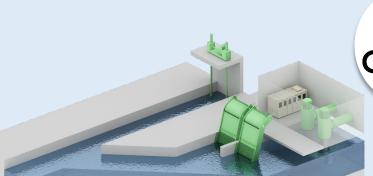


Less equipment



Less maintenance



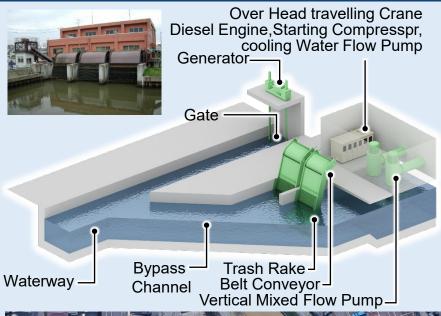


Flood Control



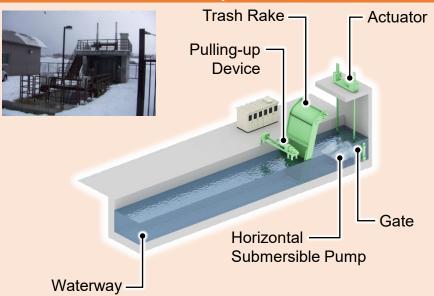
Many merits

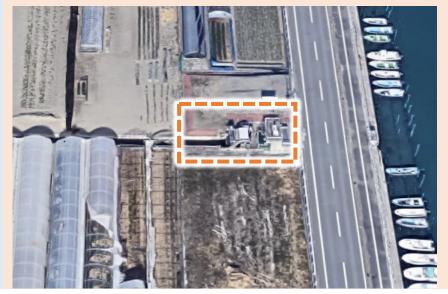
#### **Pumping Station**

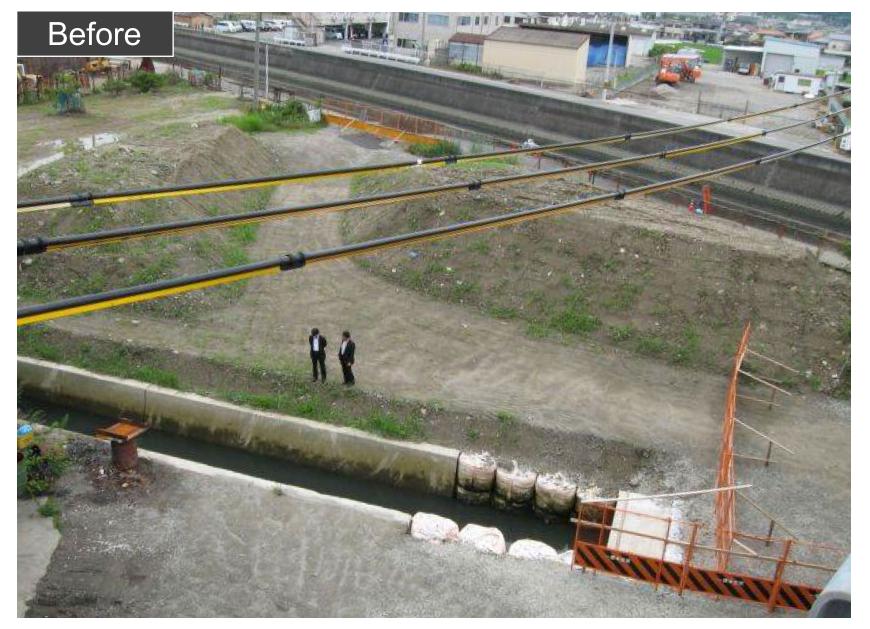


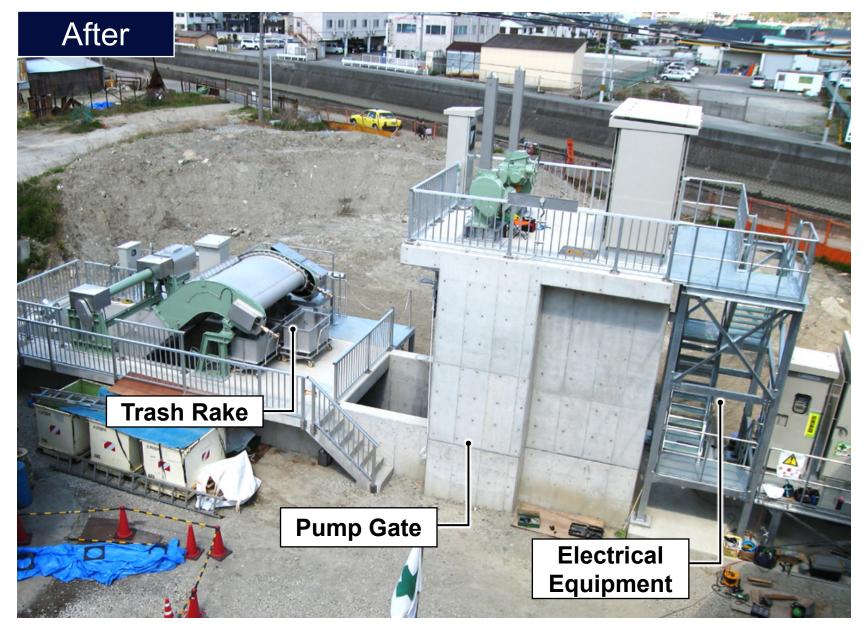


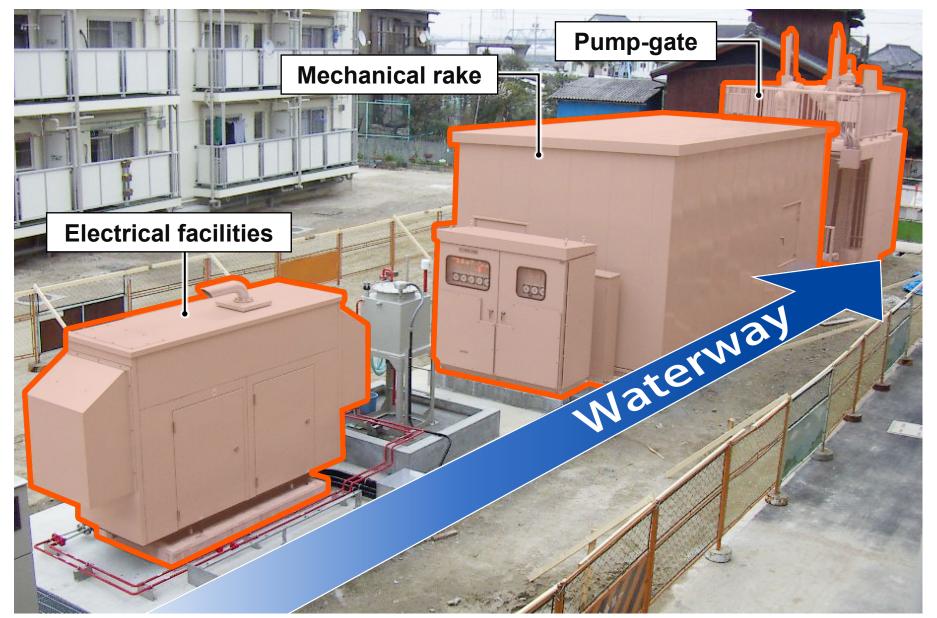
#### Pump Gate

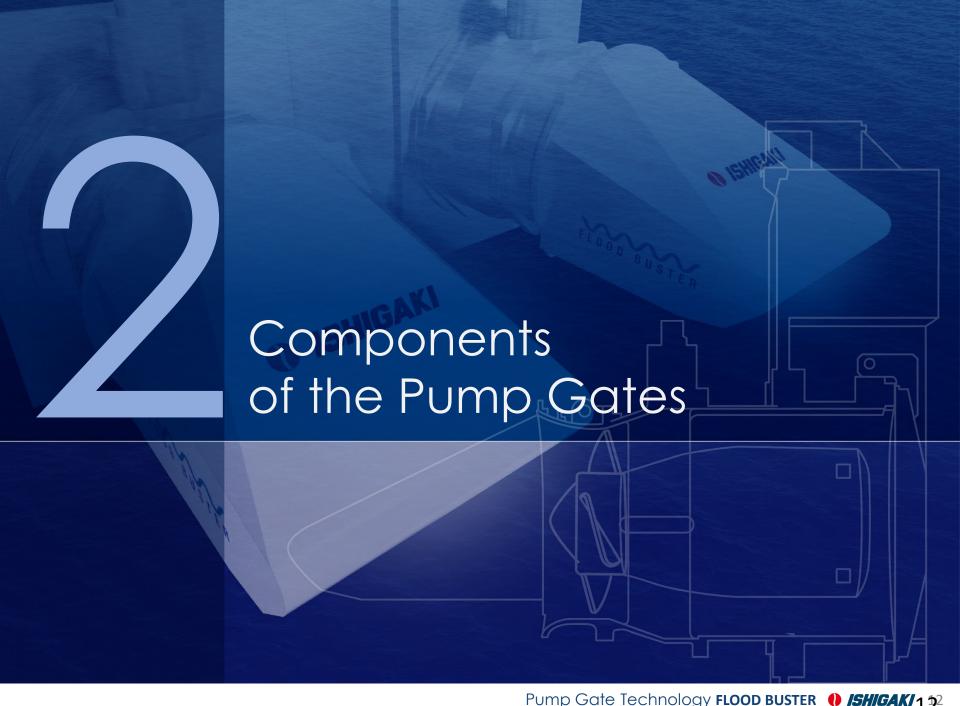




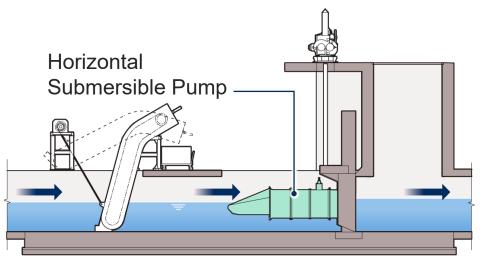








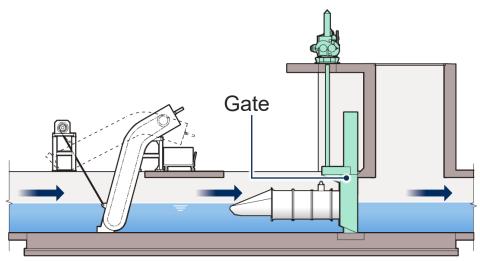
# Main Equipment - Pump









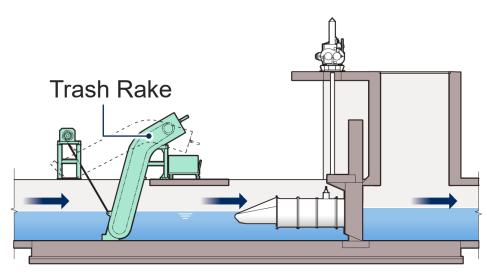






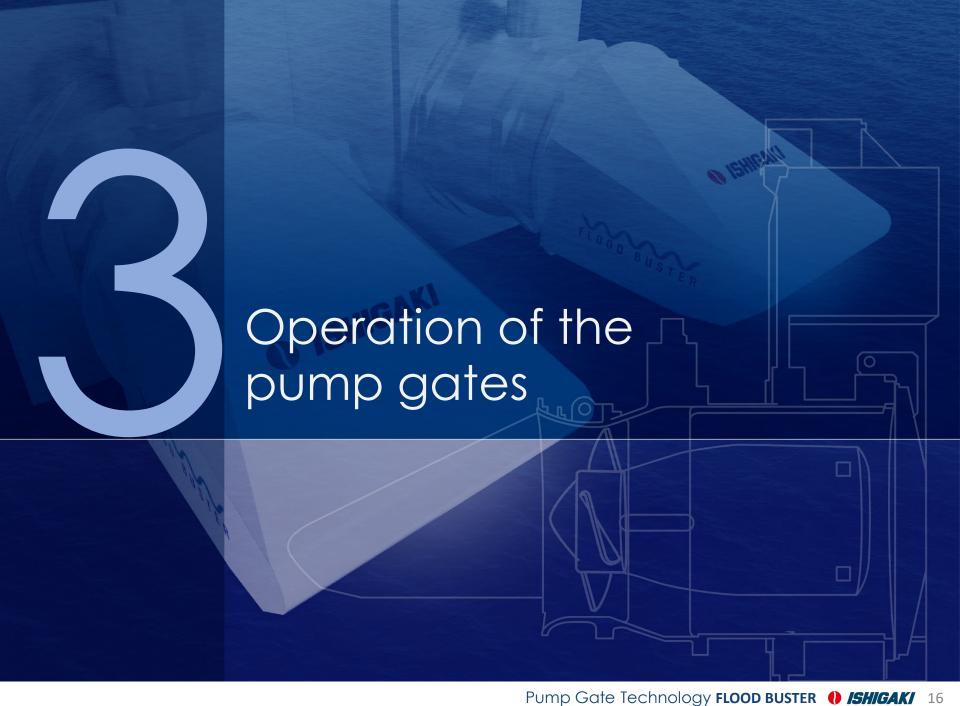


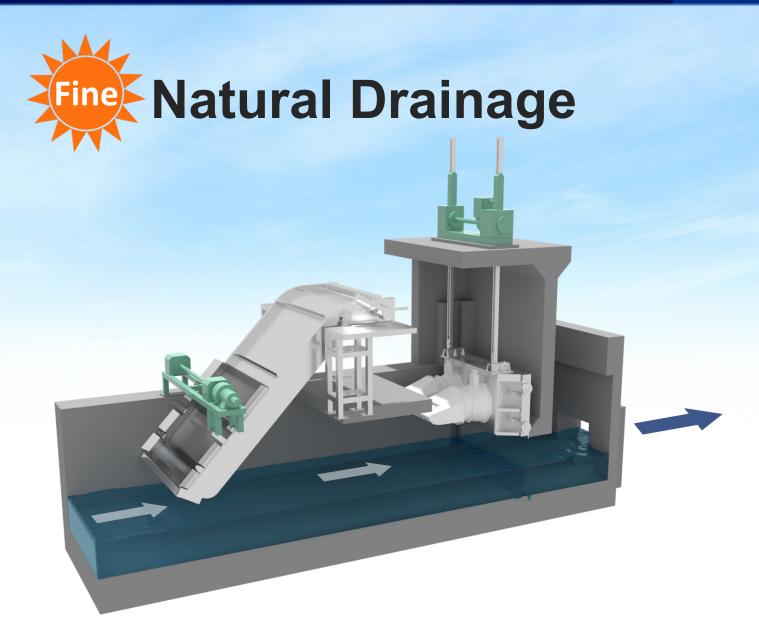
Pump Gate Technology FLOOD BUSTER () ISHIGAKI 14



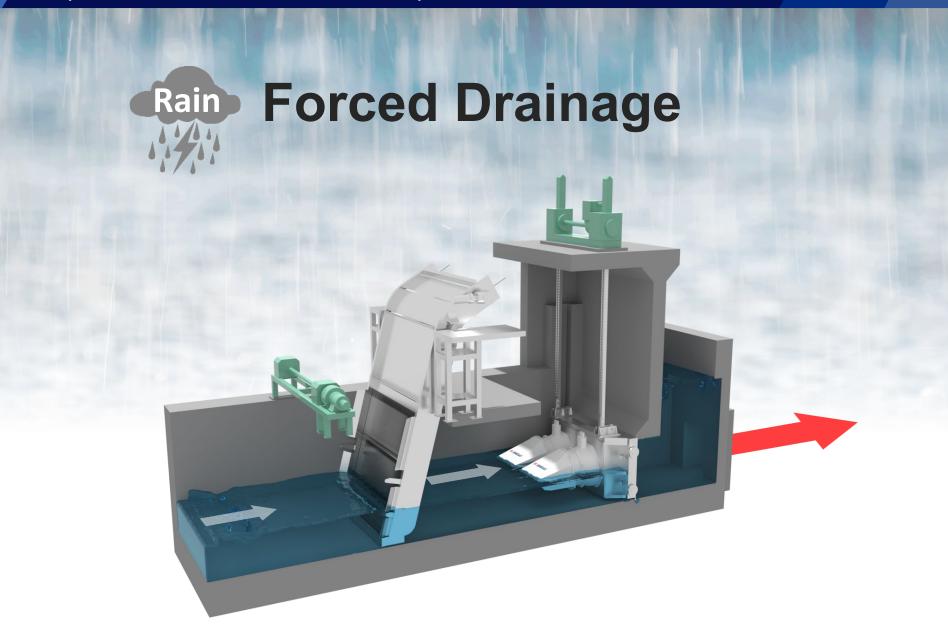


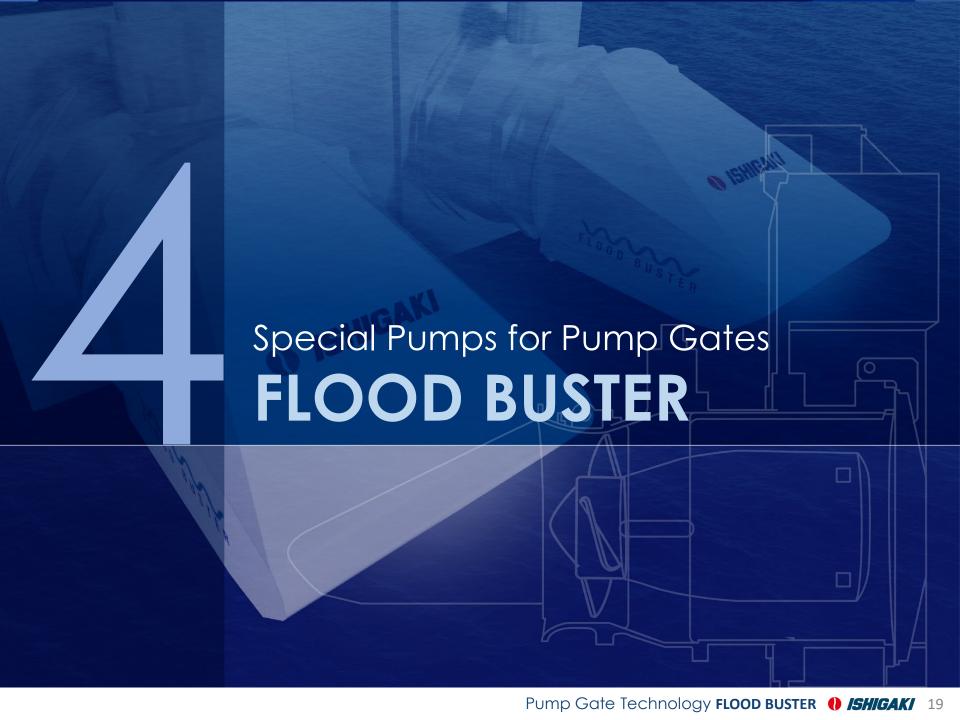






# Operation Status of Pump Gate

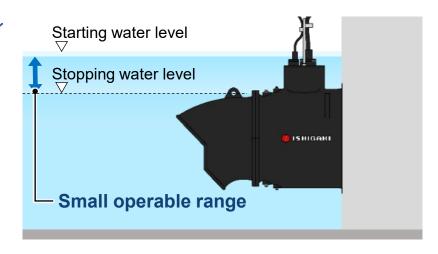




### Reason of Adaption FLOOD BUSTER

# Problem of Existing Pump for Pump Gate







Start and stop repeatedly

"Cycle ON/OFF" increases a risk of breakdown on electric board

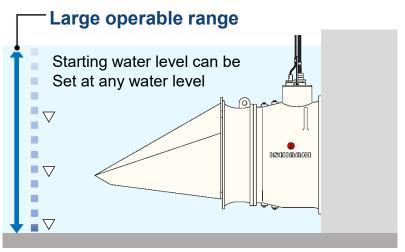
In the worst case, the electrical board will burn.



### FLOOD BUSTER solve Problem

# Flood Buster solve the problem





\*No stopping water level is required

No need to start and stop repeatedly

Operation at any water level with full speed





# 1. Simple operation

Once you press the start button you can leave it.

Flood Buster will stop automatically 30 minutes after water level indicator detects that the water level does not rise.





# 2. No inverter required

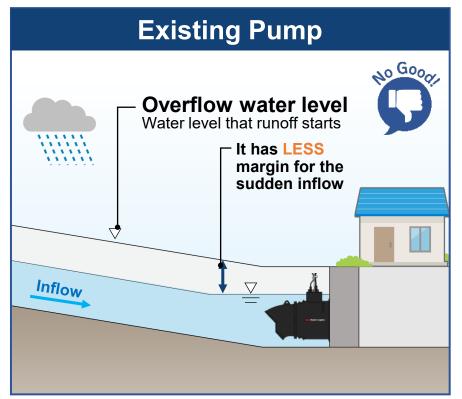
Since there is no inverter, Flood Buster is hard to break down and life cycle cost is cheap.

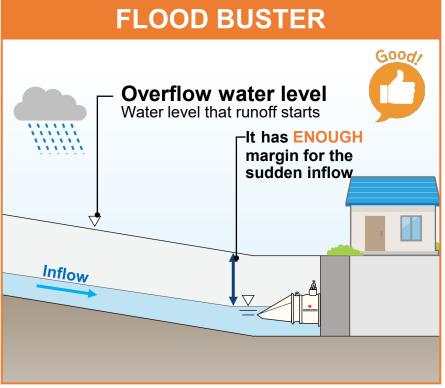




# 3. Inundation risk reduction

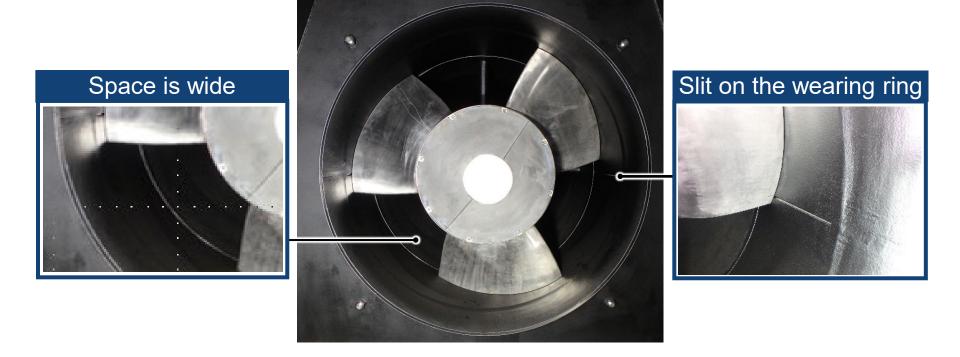
The water level can be kept low at all times because there is no stopping water level and standby operation is possible.





# 4. Garbage passes impeller easily

Garbage that is 20% of the pump diameter can pass through.



# 4. Garbage passes impeller easily

#### ► Garbage for test





#### ► Throwing garbage to the waterway





#### Garbage after passing through the pump

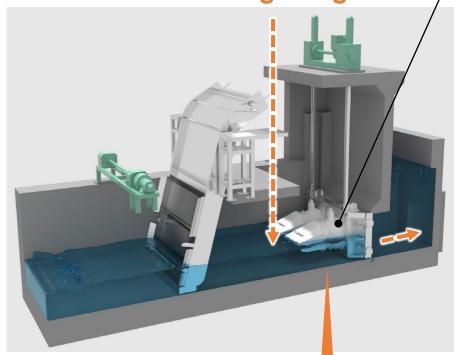




#### FLOOD BUSTER

Ф600mm×51m3/min×4m×55kW×2台

### Throw garbage



All garbage thrown in passed through without clogging

# 5. Easy Maintenance









# Delivery Record

60 Pumping Stations

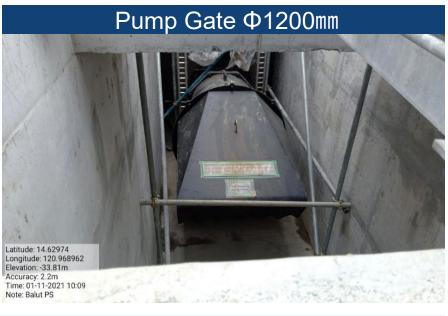
116 Pumps



### **Delivery Record**

# **Balut Pumping Station**







# **Building Skelton**

#### Manila, Philippines

Ф1200mm, 3cms, H3m, 170kW × 1set July 2019

# **Kyoguchi Pumping Station**







### **Mobile Generator**

Hyogo, Japan

Φ700mm, 1.05cms, H2.6m, 55kW × 2sets June 2018

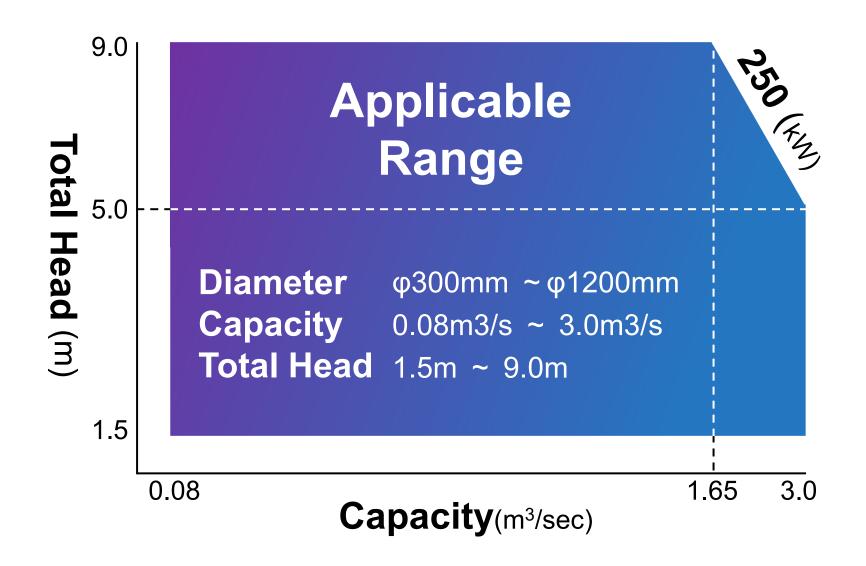
### **Delivery Record**

# **Shinkango Pumping Station**





Shizuoka, Japan Ф1000mm, 2.48cms, H3.0m, 132kW × 2sets June 2019



## Advantages of FLOOD BUSTER

Compact

Not expensive

No need to acquire land

Short construction period



Easy operation

No risk of Cycle On/Off

## Advantages of FLOOD BUSTER

# If drainage facility is required ...

in Limited Place

in Limited Period

with Limited Budget

Please consider FLOOD BUSTER **ISHIGAKI** N ISHIGAKI

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https://www.youtube.com/watch?v=3hy7FMYNqak