**Crushing/Dewatering Functioned Screen Unit with Vertical Screw**

### Technology Summary
- Function as a remover/washer/dehydrator of screenings with compact body
- Crush screenings in water and dehydrate them during conveyance → Massively reduce the generation of screenings by 1/20 of weight

### Benefits
- May not need a conveyance or storage of screenings → Can reduce facilities costs
- Reduce screenings disposal costs, labor for inspection and O&M
Crushing/Dewatering Functioned Screen Unit with Vertical Screw

Developer: JS, Sumitomo Heavy Industries Co., Ltd.

Reduce generation of Screenings

A conventional screen unit remains 50kg screenings per day

1/20 or less

The new screen unit remains 10kg screenings per week

Scope of Application
- Sewage collection system: Separate system
- Channel: Width of 600mm and over, Depth of 7m or less
- Ceiling height: Depth of channel + 3m and over

Mechanism

Crusher

Screen

Punching metal

Capture & convey remained screenings

Crushed/washed screenings travel down

Conventional crusher with screen

Newly adopted fragment capturing/conveying device