

# AIS *has been evolving*

*AIS, which becomes a new common practice of pollutant elimination facilities, has evolved further. This is a novel system to change the concept of water treatment completely.*

## AIS Transform System





# The AIS Transform System expands the possibilities of water treatment.

The Aience Innovative System (AIS), which changed the common practice of pollutant elimination facilities, has evolved further.

The AIS transform system is so revolutionary that the roles and arrangements of tanks can be changed freely to suit your needs.

It can optimize water treatment processes in various facilities.

## What is AIS (Aience Innovative System)?

The AIS is a new wastewater treatment system with a revolutionary technology. It crushes, agitates, and aerates wastewater with a special diffuser, Aquablaster, to accelerate the metabolism (total aerobic respiration) of high-performance bacteria. This system saves a lot of time and the labor of eliminating sludge and prevents the production of hydrogen sulfide.

### Aerobic tank to crush, agitate, and aerate wastewater

Aquablaster produces fine bubbles by aeration and sucks up sludge at the bottom of the tank to evenly blend wastewater and sludge in the tank.

### Aerobic tank

Inflow

Top of the tanks

Discharge

Entrance of a machine room

Roots blower for aeration

Machine Room

Roots blower for aeration

Inside of Machine Room

Inside of a tank

View from above the top of a tank

Aquablaster

### An aerobic tank

### Anaerobic tank without oxygen aeration

Harmful substances can be eliminated efficiently to maintain the environments in which microorganisms live in good condition by circulating the aerobic tank to which air is supplied and the anaerobic tank to which air is not supplied.

### Filtering tank

### Easy-to-maintain filtering tank

To filter wastewater and improve water quality, filter elements with adequate effects are used. The filter elements can be replaced easily. They save time and labor of maintenance.



AS-250

**Aquablaster prevents the decomposition of circulated water.**

Aquablaster prevents the decomposition of circulated water and curbs the generation of sludge. Circulated water can be used for a long time. Aquablaster patent No.: 4749961

**You can choose an optimal treatment flow from wastewater treatment to water purification depending on applications.**

#### Examples of Water Treatment Flows

Treatment methods and the arrangement of each tank can be changed freely. You can choose the ideal treatment process for your facility.



**The AIS Transform System solves the various problems of wastewater treatment all at once and reduces costs drastically.**

#### The AIS Transform System solves problems such as the following:

**We are considering the introduction of a new wastewater treatment system, but it is expensive.**

The AIS Transform System can be installed at a reasonable price. It only requires a simple foundation and piping work.

**Oils and fats cannot be decomposed with a combined sewage treatment tank.**

A combined sewage treatment tank cannot decompose oils and fats. This problem can be solved by decomposing oils and fats with this system before discharging them into the combined sewage treatment tank.

**The capacity of the existing water treatment facility is insufficient.**

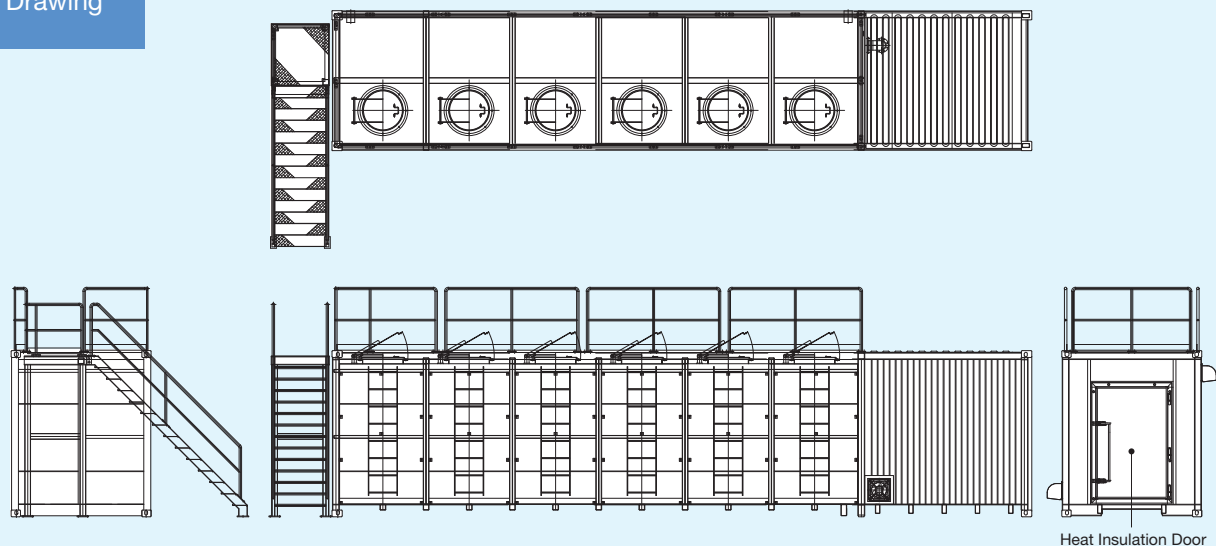
This system can be used for pretreatment and after-treatment of the existing facility.

**As a purification-filtering system for a fish farm or pond**

This system can be used as a purification-filtering system for a closed water area.

**In addition to the examples described above, this system can be applied to various water treatments to meet your requirements.**

## Detailed Drawing

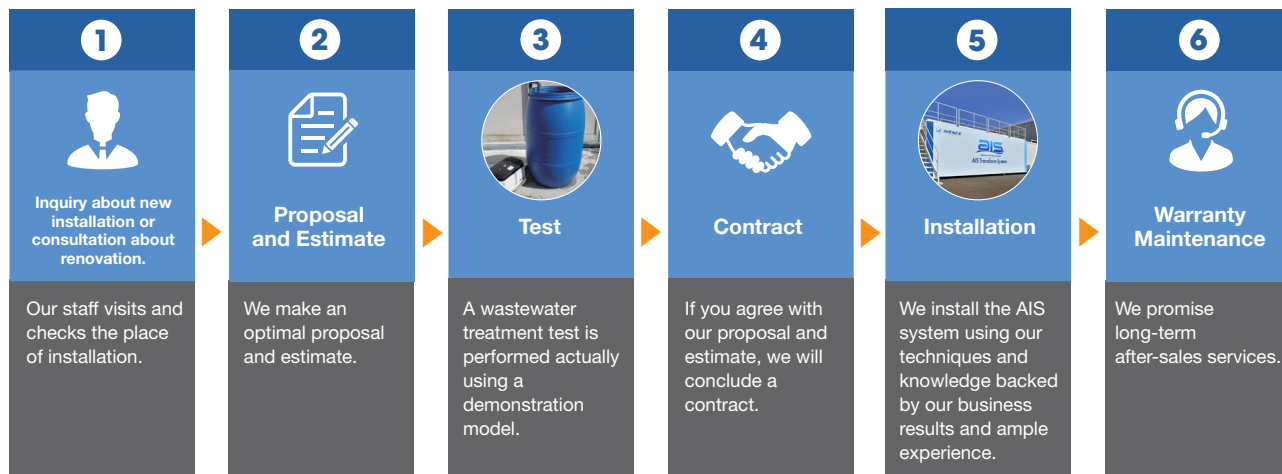


## Specifications of AIS Transform System

Model	Overall Width (mm)	Overall Height (mm)	Depth (mm)	Approximate Weight (kg)
TF-20	4140	3998	7118	7000
TF-40	4140	3998	13252	11000

## Flow of AIS System Introduction

We offer one-stop services from proposal, design, and installation to maintenance of an optimal system. Leave after-sales services to Aience, such as water quality assurance and non-hydrogen-sulfide assurance.



## Sales agent



## Aience Inc.

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## Inquiries / Requests



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