

# ECOSSET

 Water Treatment Solution  
[www.ecoset.co.kr](http://www.ecoset.co.kr)  
A Leading High-tech Company  
For Environmental Engineering

## Headquarter

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## 1st Factory / Research Lab

📍 163-15, MTV 1ro, Danwon-gu, Ansan-si, Gyeonggi-do, Republic of Korea

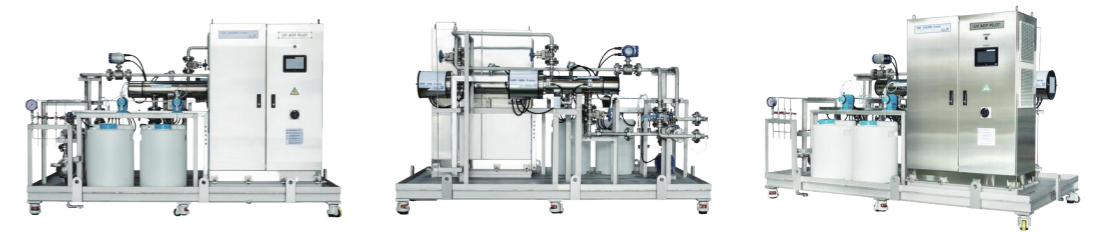
## 2nd Factory

○ 22, Sandan 3-ro 4-gil, Seongmun-myeon, Dangjin-si, Chungcheongnam-do, Republic of Korea (31702)

## 3rd Factory

○ 1282-9, Eung-am-ri, Guji-myeon, Dalseong-gun, Daegu, Republic of Korea (Korea Water Cluster)

Oct. 2023



For Water Treatment

## UV Advanced Oxidation Process ECOSET Mobile SKID



**UV**  
**SolaRay**

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# Mobile LP/MP Pilot Plant Skid

Suitable for water treatment , wastewater treatment  
Industrial waste water treatment

## Skid Details

- UV Chamber Material : STS 316L
- Size : 1,500mm(W) X 2,750mm(L) X 1,655mm(H)
- Weight : 1ton
- Electrical Input : 220V 3Phase
- Operating Temperature : LP 5-45°C, MP 5-65°C in Chamber
- 4 Sampling ports installed (Inlet and outlet for both LP and MP)
- Static mixer installed behind oxidant dosing ports
- Size for Inlet & outlet and main pipes : 25A

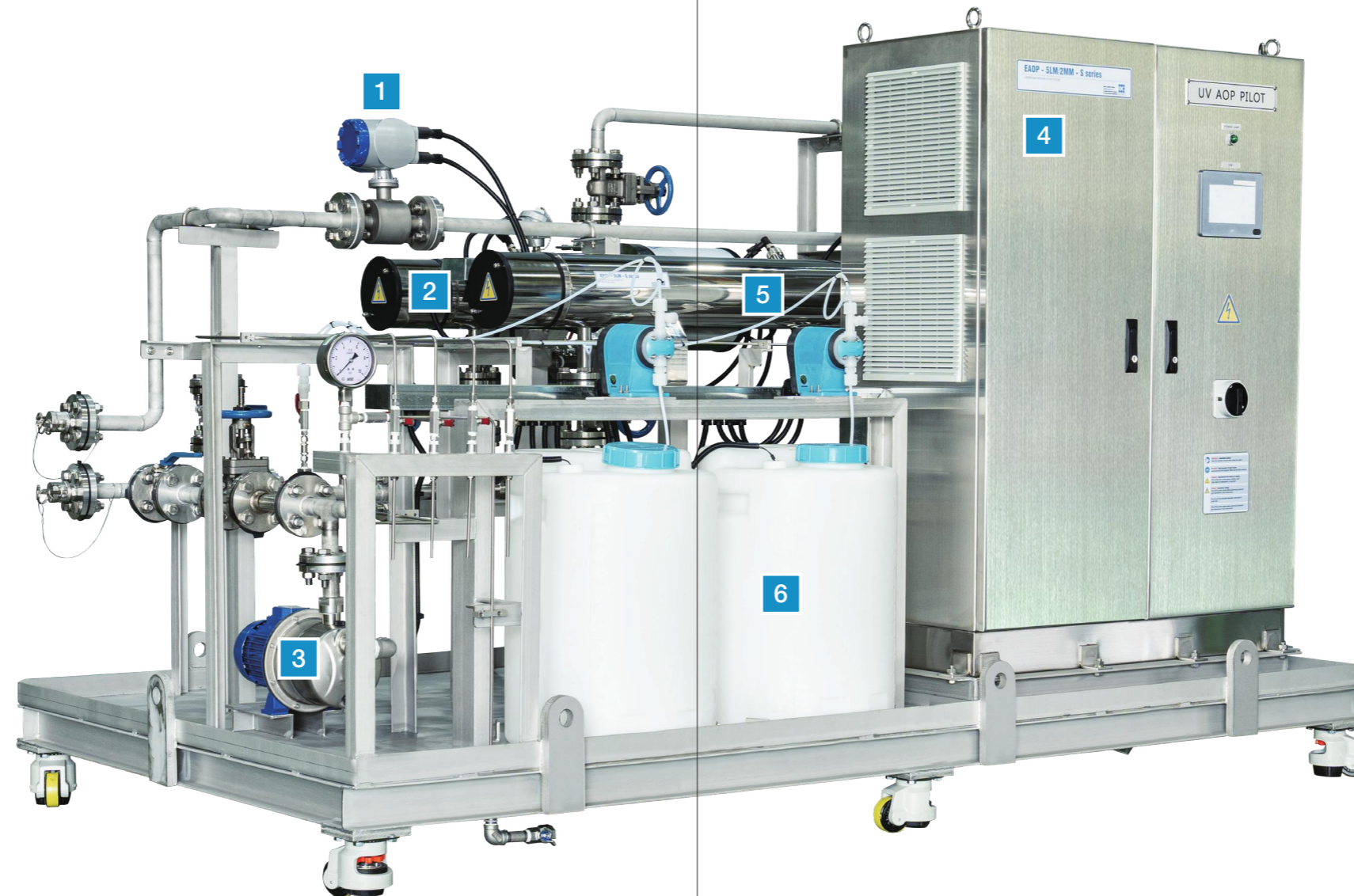


## Applications

- Drinking Water  
(Geosmin, 2-MIB, NDMA, 1,4 Dioxane and etc)
- Wastewater and Industrial Wastewater  
(TOC and COD Reduction, Organic Pollutants)

## Features

- Pilot Test Purpose at sites
- Compact size loaded in 1 ton truck
- LP and MP chamber installed
- Batch testing possible by internal circulation
- 100m<sup>3</sup>/day capacity based on drinking water
- Optimal test condition for wastewater by internal circulation
- Spiking test possible



**1**  
**Flow Meter**  
Real-time measurement of flow rate.



**2**  
**MP UV Chamber**  
1.5~3kW MP Lamp installed.  
UV intensity sensor and  
Temperature sensor applied.



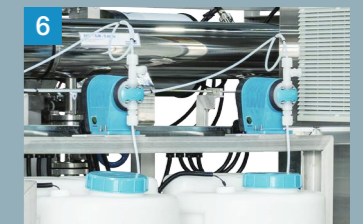
**3**  
**Water Supply Pump**  
Supplying water with controlling  
flow rate by Control System.



**4**  
**Control System**  
Monitoring and controlling lamp  
output, UV intensity and flow rate.



**5**  
**LP UV Chamber**  
550W MP Lamp installed.  
UV intensity sensor and  
Temperature sensor applied.



**6**  
**Oxidant Supply System**  
Supplying oxidants automatically  
from a storage tank.  
Supplying pollutants for a spiking  
test.