



ABOUT WTT INTERNATIONAL

WTT International is a pioneer in the field of **Zero Liquid Discharge**
We have an ample experience of **20+ years** in the field of waste water treatment.

2003

Service Provider

Started as service provider
for ZLD Projects in 2004

2008

Solution Provider

WTT Technology Services India Pvt. Ltd.
was registered as a company and
upgraded as a complete solution
provider in 2008

2018

WTT ITALIA SRL

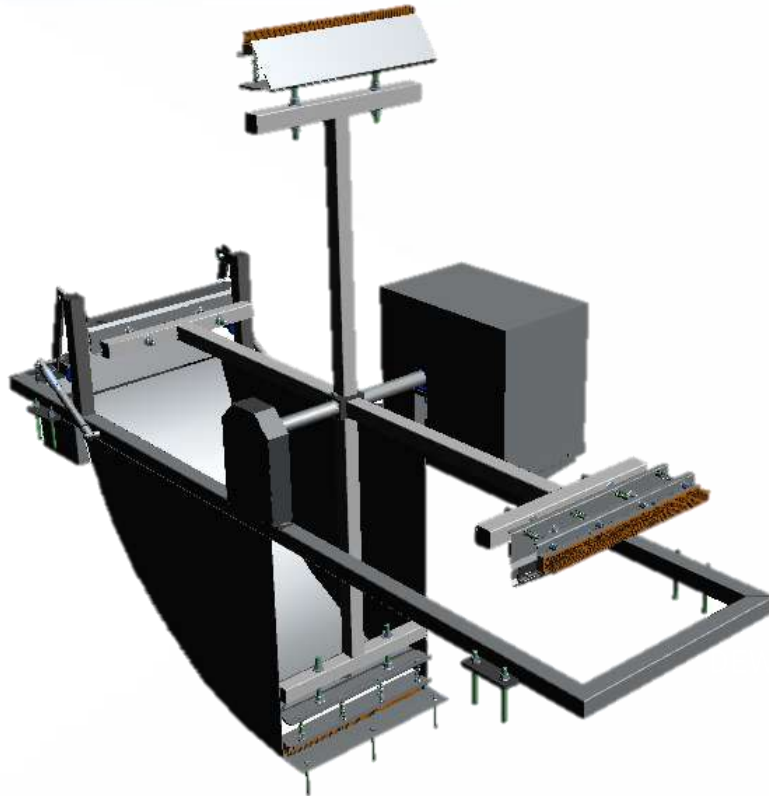
WTT Italia SRL was started
in Italy in 2018

2022

Targeting Global

Re- Branded as
WTT International in 2022

SCREENER



- Fully **Automated** Screener System
- Can separate solids upto **2 mm** in size
- Automatic Cleaning
- Durable **Nylon** brush

DISSOLVED AIR FLOTATION

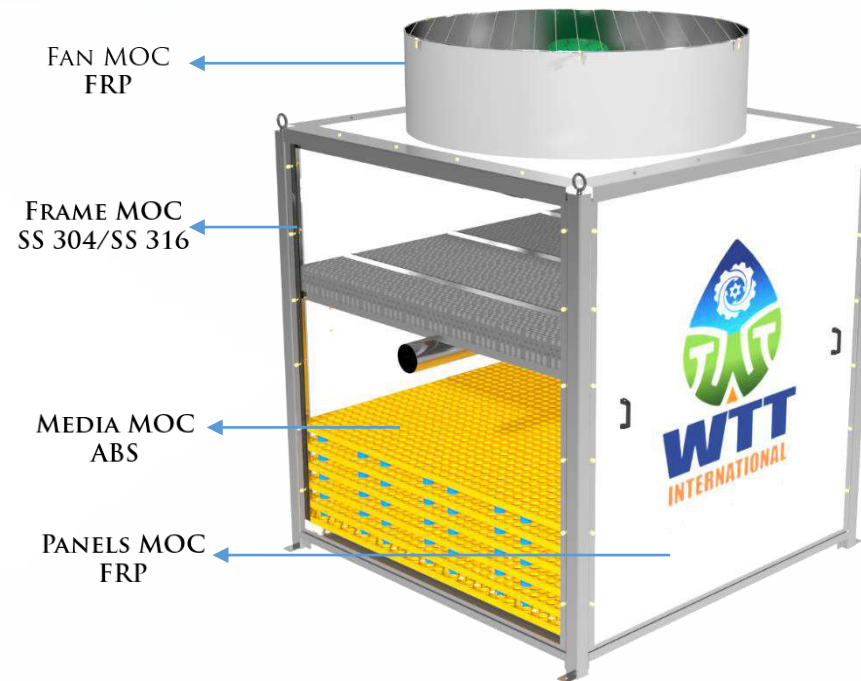
- Best Suitable for removing Free Oil and Grease
- Automatic dosing and scrapping is provided
- Very easy to operate
- Effective process
- WTT has achieved removing floating fiber using

DAF

- Removes 80- 90% of Oil & Grease
- Reduction of Organic load and 50% suspended solids



PRIMARY TREATMENT



- Regulates the effluent temperature under optimum limit
- Wide & Non-clogging spray nozzles distribution system

BIOLOGICAL TANK



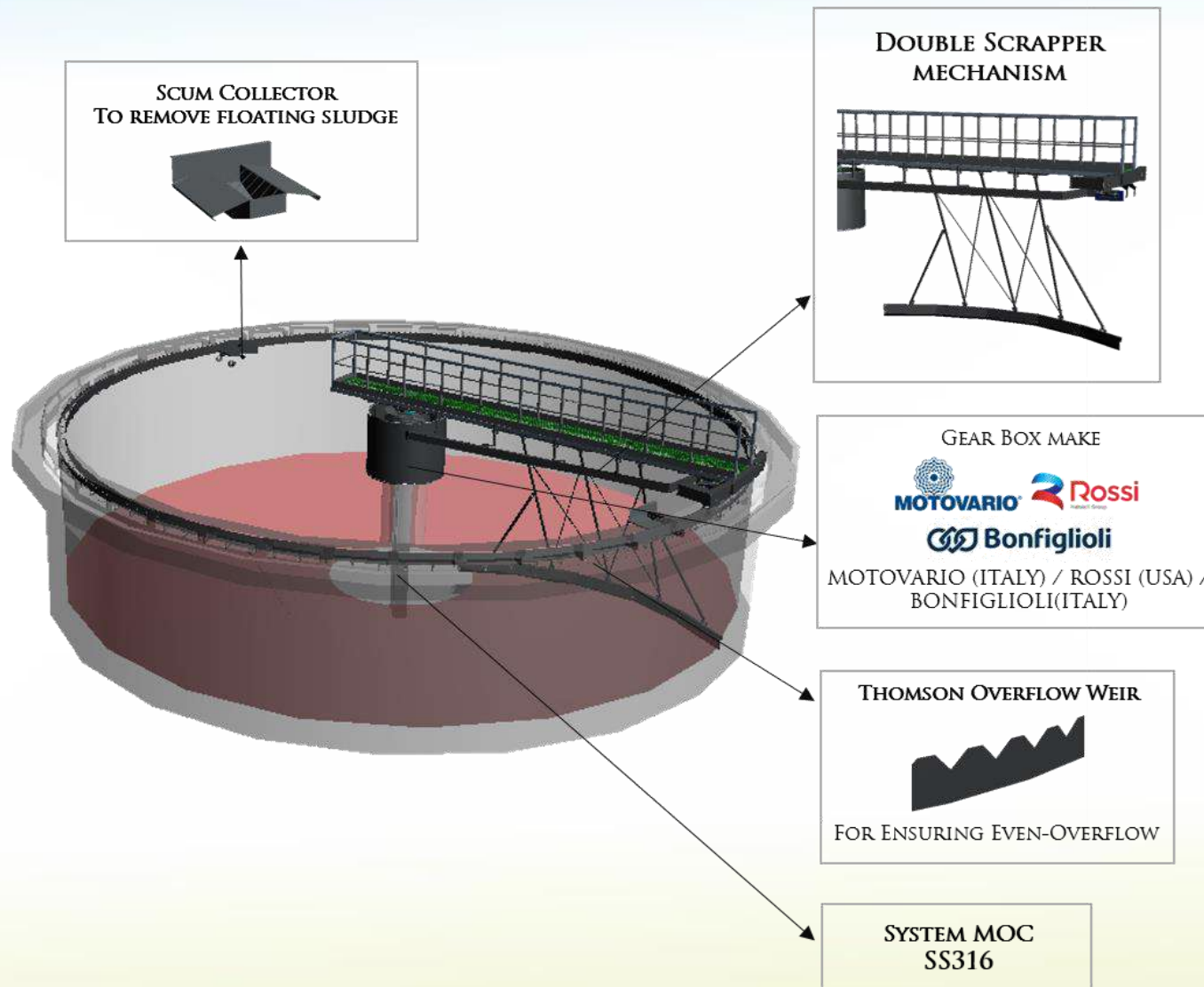
- Fully equipped with pH & DO sensors
- We provide world class OTT Diffusers
- Automated Blower operation based on DO

- BOD & COD Reduction of more than 90%
- Reduction of effluent colour up to 60%

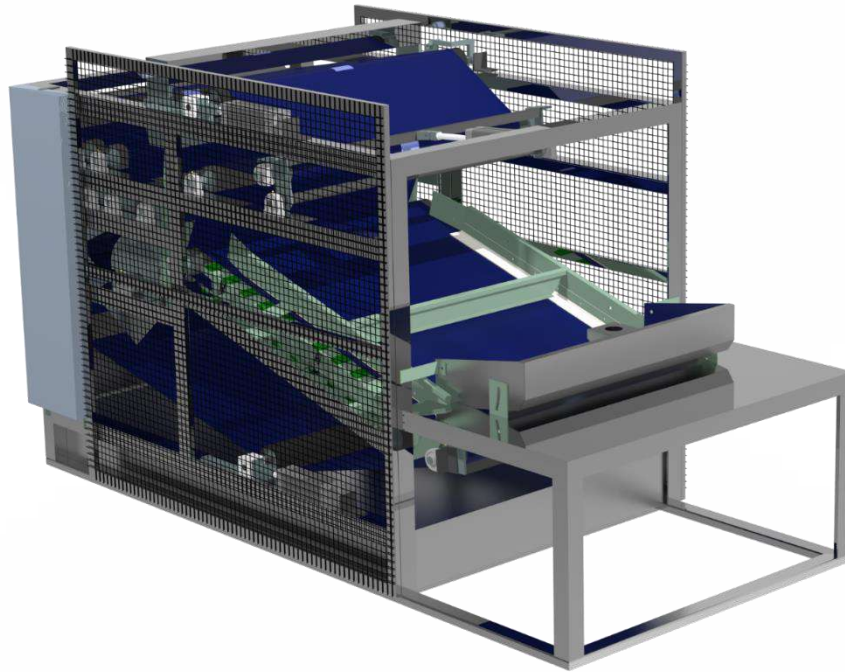
DIFFUSERS



CLARIFIER



SLUDGE DEWATERING



- Automatic Poly Dosing system
- Sludge Concentration of 25% can be achieved
- Automatic Cleaning & Alignment
- No man operation



SCREW PRESS SYSTEM

UPFLOW ANAEROBIC SLUDGE BLANKET REACTOR



- WTT provide UASB with upto date features
- Used to treat difficult effluents
- Produces Methane

MEMBRANE BIO REACTOR



- Most **Advanced** Technology
 - Fully **Automated** system
 - Combination of **Clarifying & Filtration**
 - Consumes **Lesser Area**
 - Increases the **life** of RO Membranes
 - Ease of Operation
-
- 10-25% lesser area required

SIC CERAMIC BASED MBR



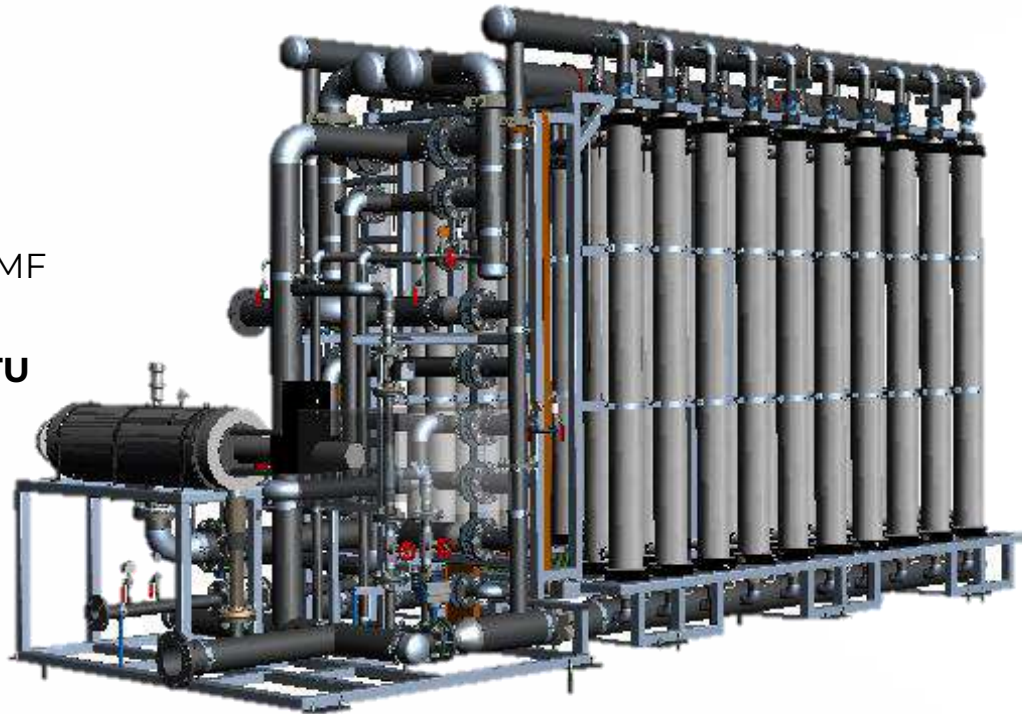
SUBMERGED MBR



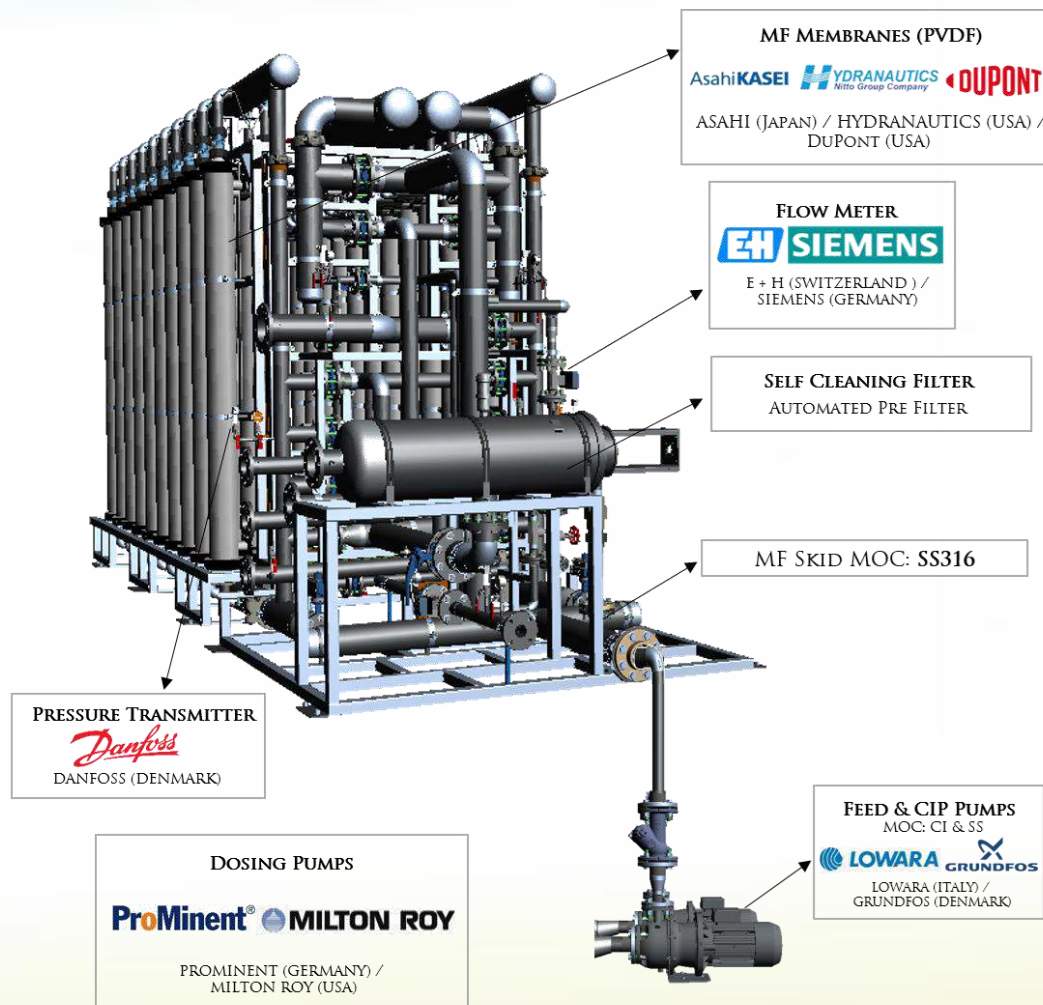
- Highly Robust Membrane
- Withstand wide range of pH
- **Cleaning is more Efficient**
- **Long Membrane Life**
- Consumes Lesser Space
- Lesser tendency of fouling

MICRO / ULTRA FILTRATION

- Modern & Aesthetic Look
- Easy for **expansion** in Future
- **Self Cleaning Filter** as a pre filter for MF
- Turbidity of the treated water **is <1 NTU**
- Supplied as single/ double loop
- Fully automated system
- Automatic Backwash & CIP



MICRO / ULTRA FILTRATION



DEGASSER TOWER



MOC : FRP

MEDIA MOC
POLY PROPYLENE



DOSING PUMPS

ProMinent **MILTON ROY**

PROMINENT (GERMANY) /
MILTON ROY (USA)

BLOWER



NADI (INDIA) / FERRARI (ITALY)

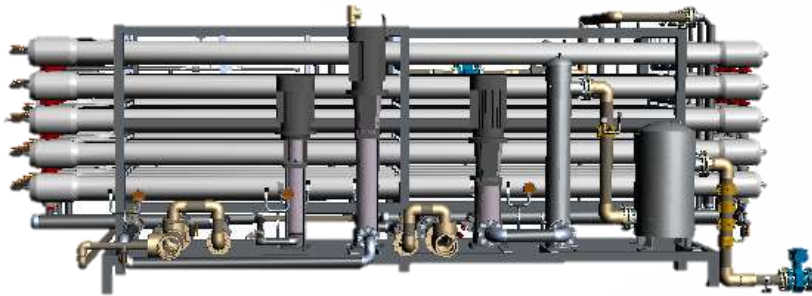
PH SENSOR



E + H (SWITZERLAND) /
HACH (USA)

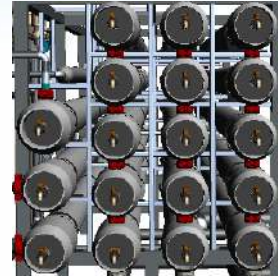
- 85-90% Bicarbonates removal
- Protect RO membrane from scaling

REVERSE OSMOSIS



HIGHEST RECOVERY

AUTOMATIC
FLUSHING & CIP



Multiport RO Vessels

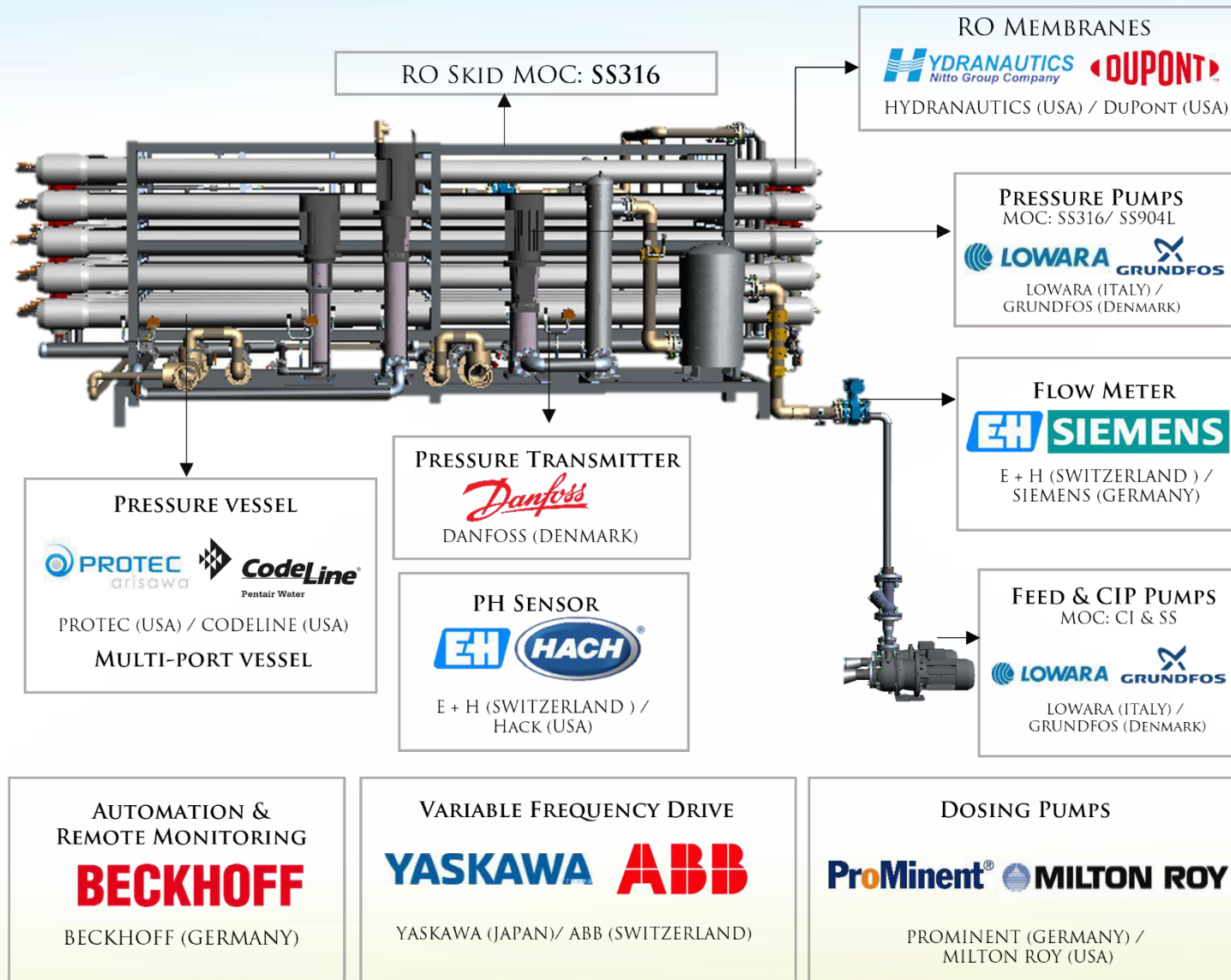


Flow Meter for Every Stages



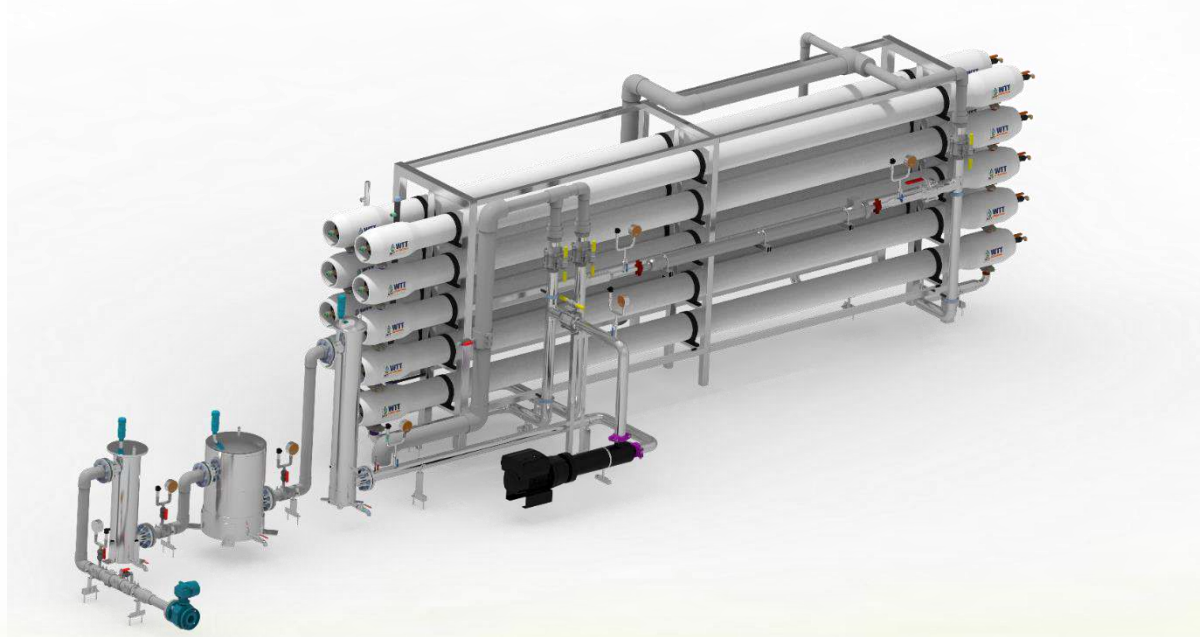
Both Pressure Gauge
& Pressure Transmitters

REVERSE OSMOSIS



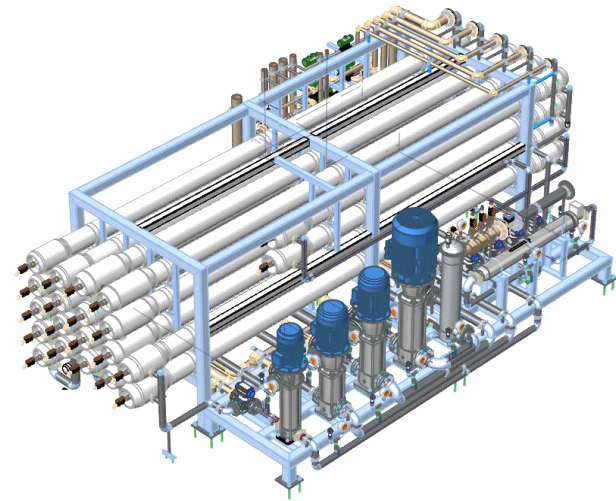
ULTRA HIGH PRESSURE- HIGH RECOVERY RO

- Reduces **Evaporator Feed** upto 50%
- Advanced **Reverse Osmosis Technology**
- **Overall Running Cost** will be drastically reduced
- Enables High Total Recovery upto **97%** using **Membrane Technology**





- **Most Advanced Innovation in Membrane Technology**
- **97%+ Recovery** in Single Skid RO
- Tentative Running Cost will be reduced
- Less **Area Requirement** and Lesser civil cost
- Brine Solution upto **120-140 GPL**
- Easy to **Monitor** & Lesser **Man Power**



15-20% OF REDUCTION IN CAPEX

BRINE RECOVERY SYSTEM



ADVANCED TECHNOLOGY TO RECOVER
BRINE SOLUTION

- *Patented Technology of WTT International*
- **BRINEX** is used to recover the Brine Solution from the Concentrate Stream
- Recovered brine will be in the concentration of 120-140 GPL
- Suitable to use in Textile Processing, in the place of Salt.
- This reduces the load to the Evaporator



BRINE

RECOVERED
SALT

STAGE WISE WATER SAMPLES



EFFLUENT

CLARIFIER
OUTLET

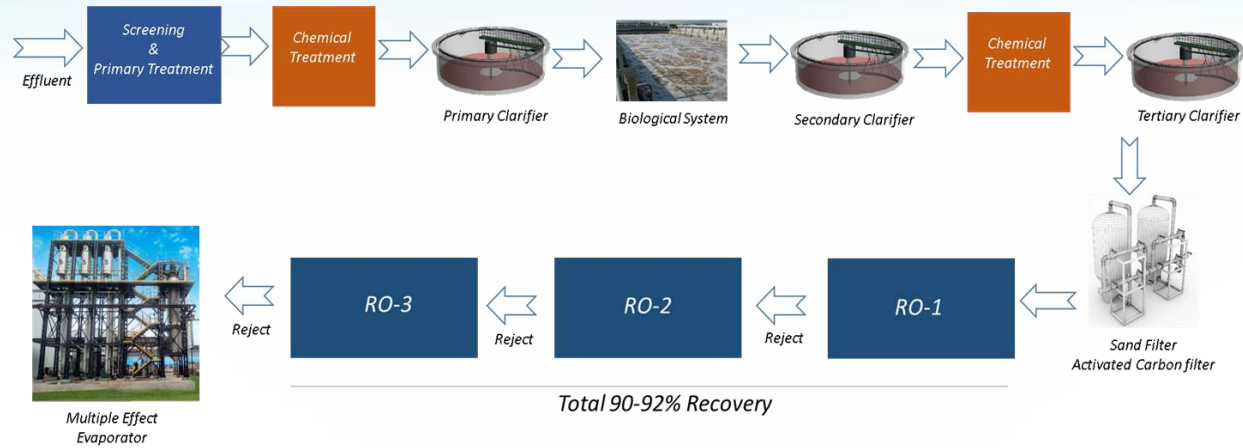
RO PERMEATE

RO REJECT

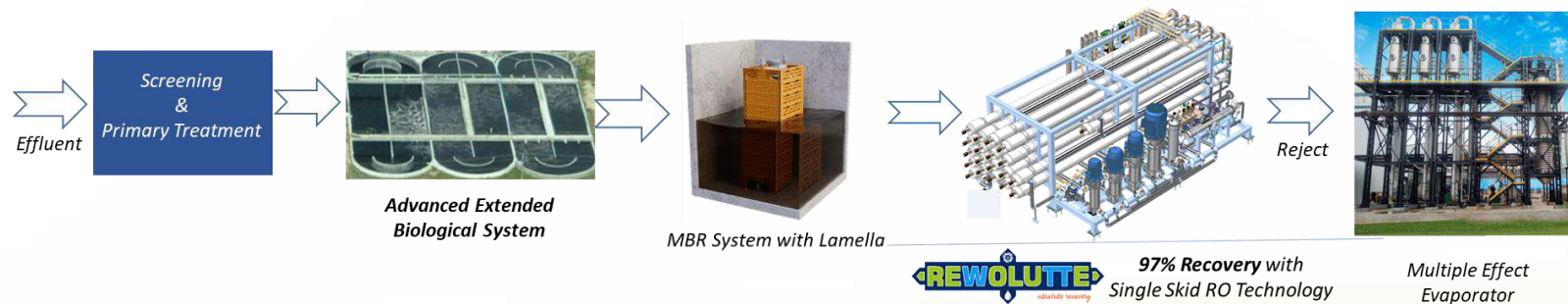
BRINE

RECOVERED
SALT

CONVENTIONAL STREAM



STREAM WITH ADVANCED TECHNOLOGY



ADVANCED AUTOMATION SYSTEM



PH SENSORS

To optimize & minimize the Acid consumption in **Neutralization process** **pH sensors** are installed to automate the Acid Dosing process



DO SENSOR

Dissolved Oxygen Is one of the important Parameters to be noted In the **Biological system** We provide sensors to monitor the **DO** Blower is regulated Automatically based on **DO Value**



ELECTRO MAGNETIC
FLOW METER

Every stage of the process is installed with **Electro Magnetic Flow Meter** This helps in regulating the process based on flow And Exact flow data can be obtained for documentation and filing



LEVEL TRANSMITTER

Level Transmitters In all the required tanks. **Pump operations are controlled automatically** based on the Levels of the respective tank



CAUSTIC RECOVERY SYSTEM



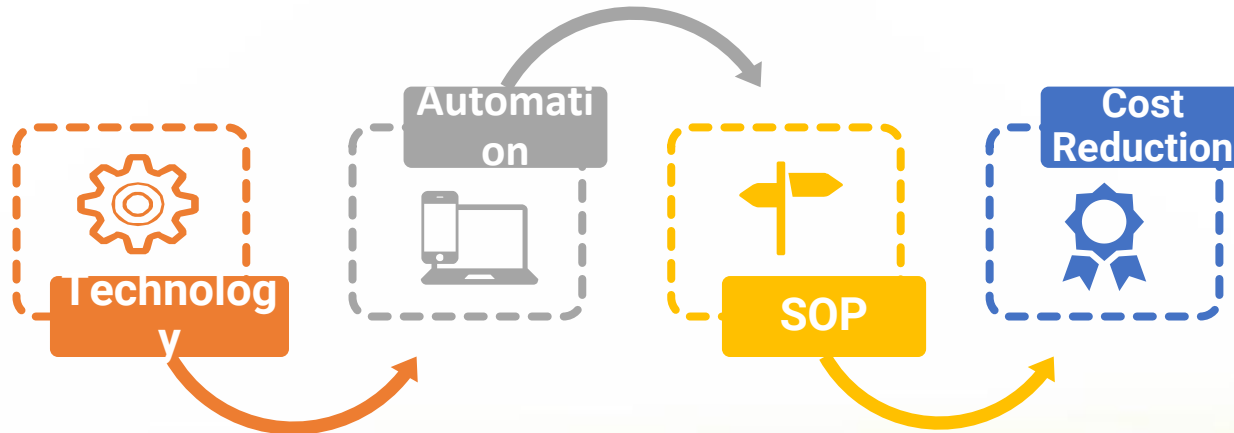
A NOVEL FILTRATION TECHNOLOGY FOR
CAUSTIC RECOVERY

COST EFFICIENT

Plants can be operated in **Lower Operating Cost** comparing with the recent market trends

WTT has proven its expertise by supplying ZLD plants on turnkey basis with state-of-the-art technology and optimized designs which is owing to the **lower operating cost** less than **Rs.55/cubic meter**.

Less Power Consumption- <2.5kW/cubic meter



ADVANCED DATA MONITORING

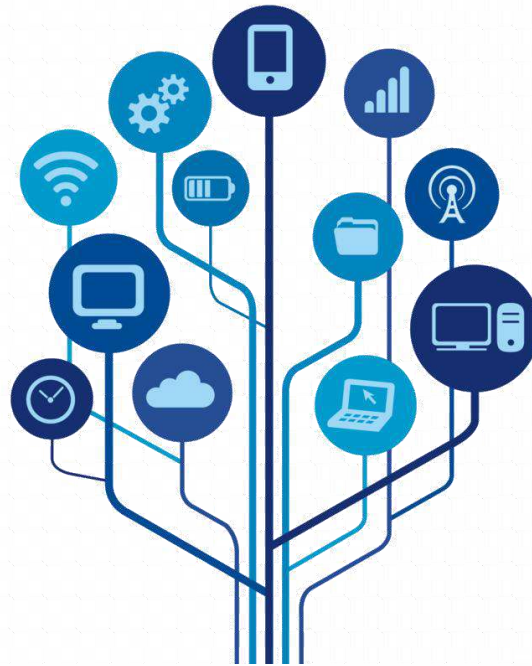
DESIGNATION BASED DATA

REAL TIME DATA IN MOBILE APP

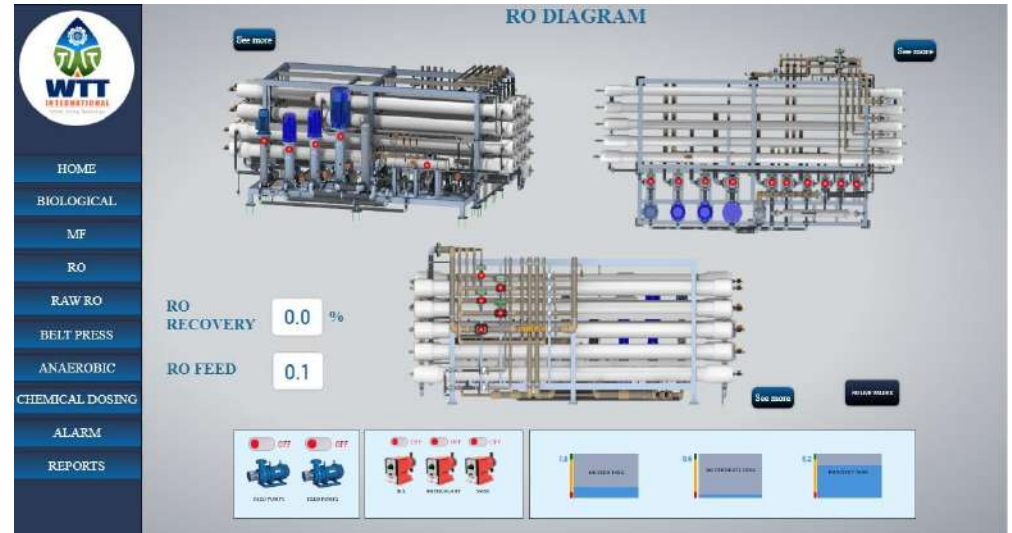
DATA STORAGE IN CLOUD

REMOTE MONITORING

WTT- CUSTOMER SUPPORT

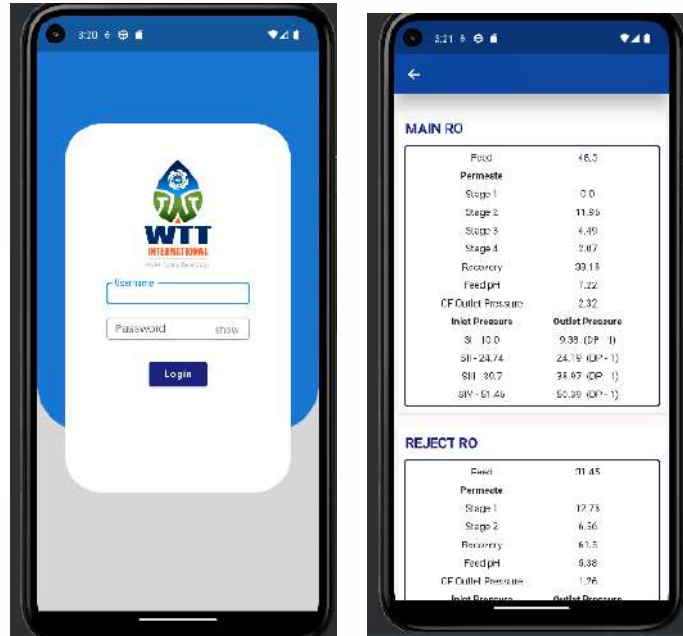


SMART HMI SCREENS



INTERACTIVE INTERFACE

WTT MOBILE APPLICATION



REMOTE DATA MONITORING

PROJECT EXECUTION



LESS FOOT FRINT

The area required for accommodating a plant is as less as 0.5 sq.m/cubic meter



OEM

We have a fully loaded Equipment Manufacturing **Factory** satisfying World class standards.



SHORT TURN AROUND TIME

We are highly capable of delivering the projects in a very short duration with desired results and accuracy

QUALITY IS OUR PRIORITY

Ensuring global standards, we have most renowned equipment manufacturers and market leaders as our channel partners. We never compromise in quality of our projects.

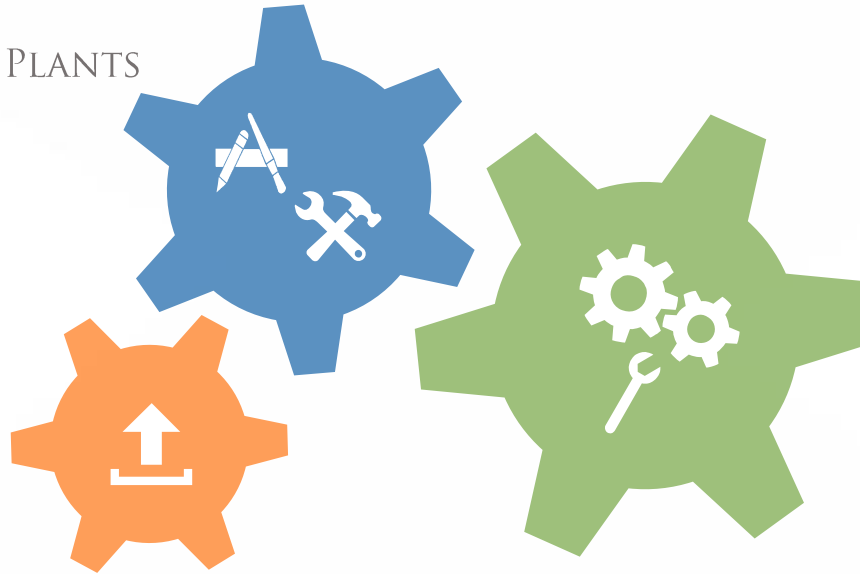


A
G



SERVICES OFFERED

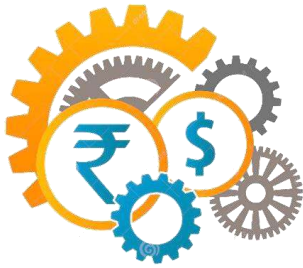
TURNKEY SUPPLY OF ZLD PLANTS



OPERATIONS & MAINTENANCE

TECHNOLOGY UPGRADATION
OF EXISTING PLANT

OPERATIONS & MAINTENANCE



Lowest Operation Cost



Highly Skilled Team



Standard Operating Procedure



ERP Generated Reports

PHOTO GALLERY



REACH OUT TO US

