

nidhi<sup>®</sup>  
ENGINEERS

An ISO 9001:2015 Certified Company



Green ZLD System

# Introduction

- Incorporated in 2014 after 19 Years of Experience.
- An ISO 9001:2015 Certified Company
- Core Business Area Effluent Treatment MEE, ATFD and Stripper, Sludge Dryer
- Technical Teams of 40 People of Experts and Associates
- Customized Process Solution
- Well Equipped Manufacturing Facility Located at Bakrol Industrial Area, Ahmedabad, Gujarat, India having all basic in-house facilities like Manufacturing, Assembling, Testing and R&D.
- Experience of 100 Plus Installation Across India Of Effluent treatment Including ETP, RO, MEE, ATFD and Stripper, Sludge Dryer & Process Equipment
- Expertise in customized Industrial packages based on the Process like Evaporation, Vacuum and Heat Transfer

## Vision

- Applying new and improved tools and techniques to continuously improve our ability to deliver projects.

## Mission

- We as a team wants to be benchmark of stabilizer in the area of economical and safe design, quality in production, timely delivery and post service.

## Quality policy

- Nidhi Engineers is committed to provide products best in quality and services and having ISO 9001:2015 Certification for Quality Management System. We continuously improve our system based on the self-inspection and daily base experience.



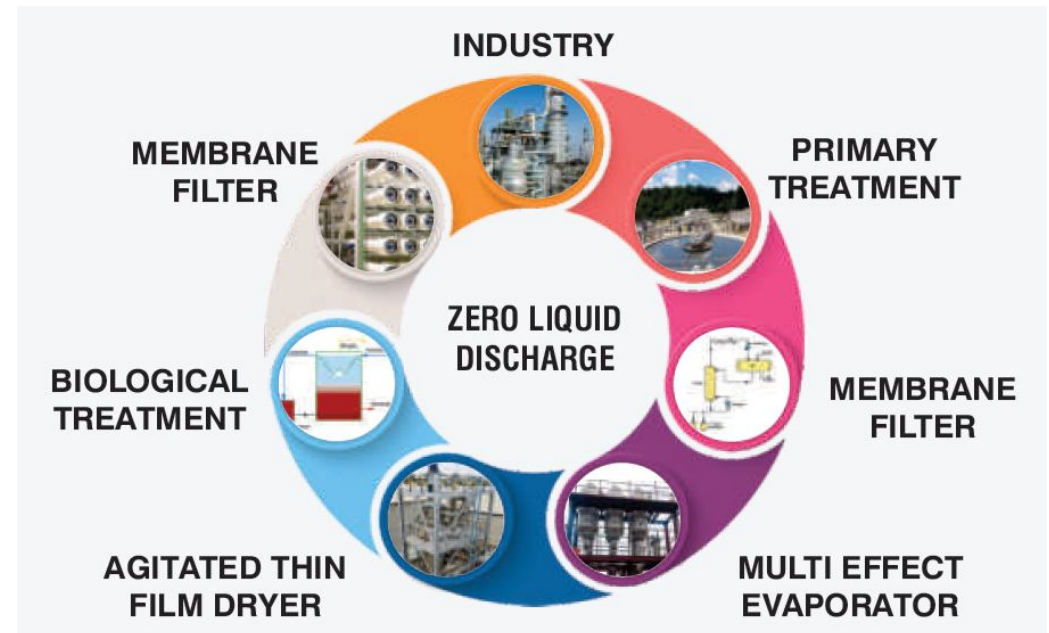
# Strength

- All stages from techno commercial discussion to post operative services are handles by our expert engineers.
- More reliable and economical products than similar products in the market.
- No financial debt from Bank.
- Healthy Relationship with client.
- Reputation for innovation.
- Comply with Environmental, Health and Safety(EHS) legalisation and statutory, regulatory and other requirements.



# We Deal In

- Multiple Effect Evaporator  
(Zero Liquid Discharge – ZLD)
- Stripper System
- Agitated Thin Film Dryer (ATFD)
- ETP Sludge Dryer
- Product Recovery Systems
- Caustic Recovery Plant
- ETP
- Air Scrubber
- Customized Process Equipment



# Services

- Plant Revamping services
- Capacity expansion
- Operation and Maintenance Contract
- Performance Calibration
- Erection and Commissioning Services
- Plant Design Consultancy
- Design Validation Services
- Engineering Procurement Services



# Targeted Industries

- Pharmaceuticals Industries
- API & Intermediate Industries
- Chemical Industries
- Dyes & Intermediate Industries
- Castor Oil Industries
- Bromine Recovery Units
- Textiles Industries
- Food & Beverage Industries
- Electroplating
- Solvent Recovery Units
- Automobile Industry



# Single Effect MEE Plant

- Client: Sanguine Therapeutics Pvt. Ltd
- System: MEE Plant
- Capacity: 15 KLD-1FC
- Location: Panoli, Ankleshwar
- Industries: Pharmaceutical
- Application: ZLD





# Double Effect MEE Plant

**Client : - SNF FLOPAM INDIA**

- System : - Double Effect Forced Evaporator
- Capacity : - 20 KLD
- Location : - Gandhidham, Gujarat
- Types of Industries : - Chemical Industries
- Application : - Zero Liquid Discharge
- Year of Execution : - 2020



# Triple Effect MEE Plant

**Client : - Isckon Balaji Foods**

**System : - Triple Effect Forced Evaporator**

- Capacity : - 40 KLD
- Location : - Himmatnagar, Gujarat
- Types of Industries : - Food Industries
- Application : - Zero Liquid Discharge
- Year of Execution : - 2022



# Skid Mounted MEE Plant

- System : - Skid Mounted MEE
- Application : - Zero liquid Discharge
- Range : - 2 KLD to 20 KLD
- No of Installations : - 15+
- Key Points
  - Low In Capex
  - Ready in stock
  - Compact Design
  - Easy to transport
  - lowest in foot print
  - No Site cost (Except Utilities)
  - Portable & Pre assembled system
  - Saves project duration as well as money
  - Design suitable for both steam and thermic oil as heating media



# Electric Evaporator

- System : - Electric Evaporator
- Application : - Zero liquid Discharge
- Range : - 200 LPD to 3000 LPD
- No of Installations : - 25+
- Key Points
  - Compact Design
  - Plug & Play
  - Portable Plants
  - Lowest in Price
  - Only Electricity requires as utility
  - Ready in stock
  - MOC : -MS, SS 304 & SS 316



# Electric Evaporator with Vacuum System

- System : - Electric Evaporator with Vacuum System
- Application : - Zero liquid Discharge
- Range : - 500 LPD to 5000 LPD
- No of Installations : - 5+
- Key Points
  - Compact Design
  - Lowest in Capex
  - Lower in opex Compare to EE
  - Lowest Foot Print
  - No Site cost (Except Utilities)
  - Ready in stock
  - MOC : -SS 304 & SS 316



# Agitated Thin Fil Dryer

## Key Points

- Provides salts less than 5% moisture
- Provides complete ZLD
- Overcomes the issue related to centrifuge-mother liquor handling
- Designed for Continuous salts production
- Uniform concentration
- Low residence time
- Minimum fouling
- Suitable for Steam and Thermal
- Available Capacity:- 2 m<sup>2</sup> to 50 m<sup>2</sup>



# ETP Sludge Dryer

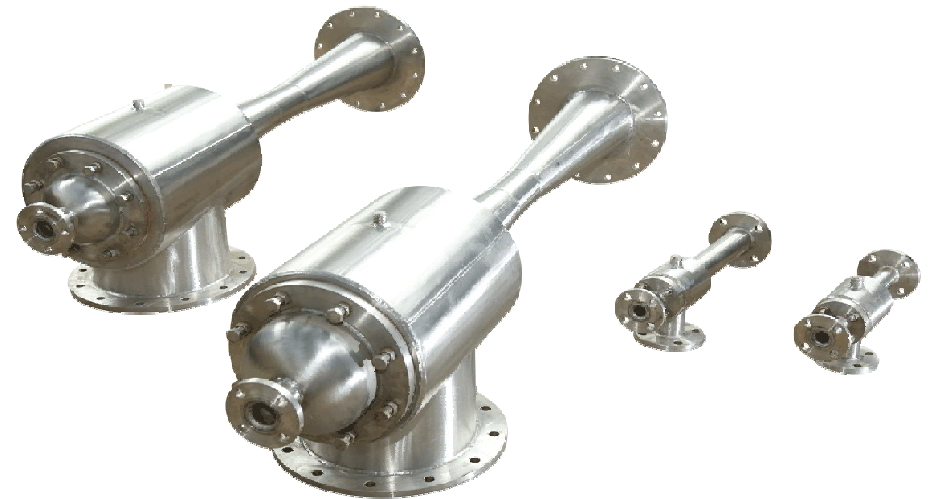
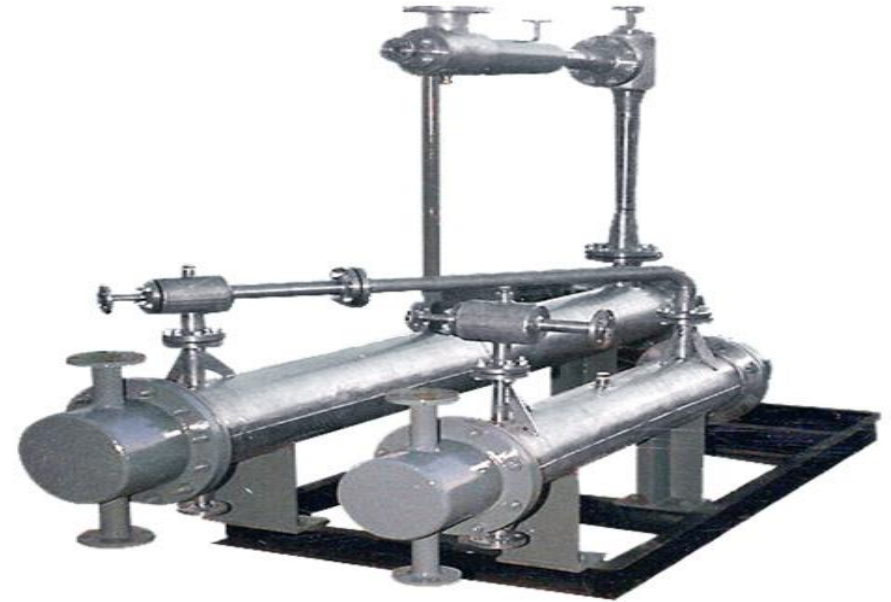
## Key Points

- Designed for maximum heat transfer
- For Continuous operation application
- Provides Uniform product quality
- Designed for both heating media steam and thermic Oil
- Once through drying technology to avoid back mixing
- Available in various MOC Options
- Available in various model from 50 kg/hr to 1500 kg/hr capacity



# Vacuum System

- Steam Jet Ejector System
- Water Jet Ejector System
- Steam + Water Jet Ejector System
- Rota Jet Vacuum System
- Water Jet Ejectors
- Steam Jet Ejectors/Boosters
- Tank Jet Mixtures
- Thermal Vapor Re-compressor
- Vacuum Pumps





# Project Gallery

- System: MEE Plant
- Capacity: 2KLD
- Location: Vadodara
- Application: ZLD



- System: MEE Plant
- Capacity: 2KLD
- Location: Ahmedabad
- Application: ZLD



# Project Gallery

**Client : - SAT CHEM LLP**

- System : - Single Effect Forced Evaporator
- Capacity : - 15 KLD
- Location : - Baroda, Gujarat
- Types of Industries : - Bromine Recovery
- Application : - Zero Liquid Discharge
- Year of Execution : - 2019



# Project Gallery

- Client: Cadixo Chemicals LLP
- System: MEE Plant
- Capacity: 15 KLD-2 FC
- Location: Panoli, Ankleshwar
- Industries: Pharmaceutical
- Application: ZLD



# Project Gallery

- Client: Nebula Health Care
- System: Skid Mounted MEE Plant
- Capacity: 10 KLD
- Location: Chhatral, Gujarat
- Industries: Pharmaceutical
- Application: ZLD



# Project Gallery

- Client: Rotomotive Powerdrives India Ltd.
- Client: Rotomag Motors & Controls Pvt. Ltd.
- System: ETP + Electric Evaporator
- Capacity: 3 KLD
- Location: Anand, Gujarat.
- Application: ZLD



# Project Gallery

- Client: DIC Fine Chemicals Pvt. Ltd.
- System: EEVS
- Capacity: 1000 LPD
- Location: Dahej.
- Application: ZLD



- Client: Siemens India Limited
- System: EEVS
- Capacity: 300 LPD
- Location: Nashik.
- Application: ZLD



# Project Gallery

- Client: 3R ENVIRO INDIA PRIVATE LIMITED.
- System: ETP Plant
- Capacity: 3 KLD
- Location: Chittorgarh, Rajasthan.
- Application: ZLD

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- Client: Elixir Unlimited
  - System: ETP Plant
  - Capacity: 1 KLD
  - Location: Ahmedabad, Gujarat.
  - Application: ZLD



# Project Gallery - Air Scrubber



- Client: Privi Speciality Chemicals Ltd.
- Location: Jhagadia, Bharuch.



- Client: ENGENIO CONSERVATION LLP
- Location: Ahmedabad, Gujarat.



# Project Gallery - HE



# Project Gallery - Others



# Our Clients



# Contact Us

**-: ADDRESS :-**

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Work Address



[www.nidhiengineers.com](http://www.nidhiengineers.com)

## **Our Products:**

**Multiple Effect Evaporator | Skid Mounted Evaporator | Electrical  
Evaporator | Agitated Thin Film Dryer | ETP Sludge Dryer | Caustic  
Recovery Plant | Crystallizer System | Vacuum Ejector System | Heat  
Exchanger | Pressure Vessels | Customized Process Solutions**

**THANK YOU FOR GIVING US  
YOUR VALUABLE TIME**