

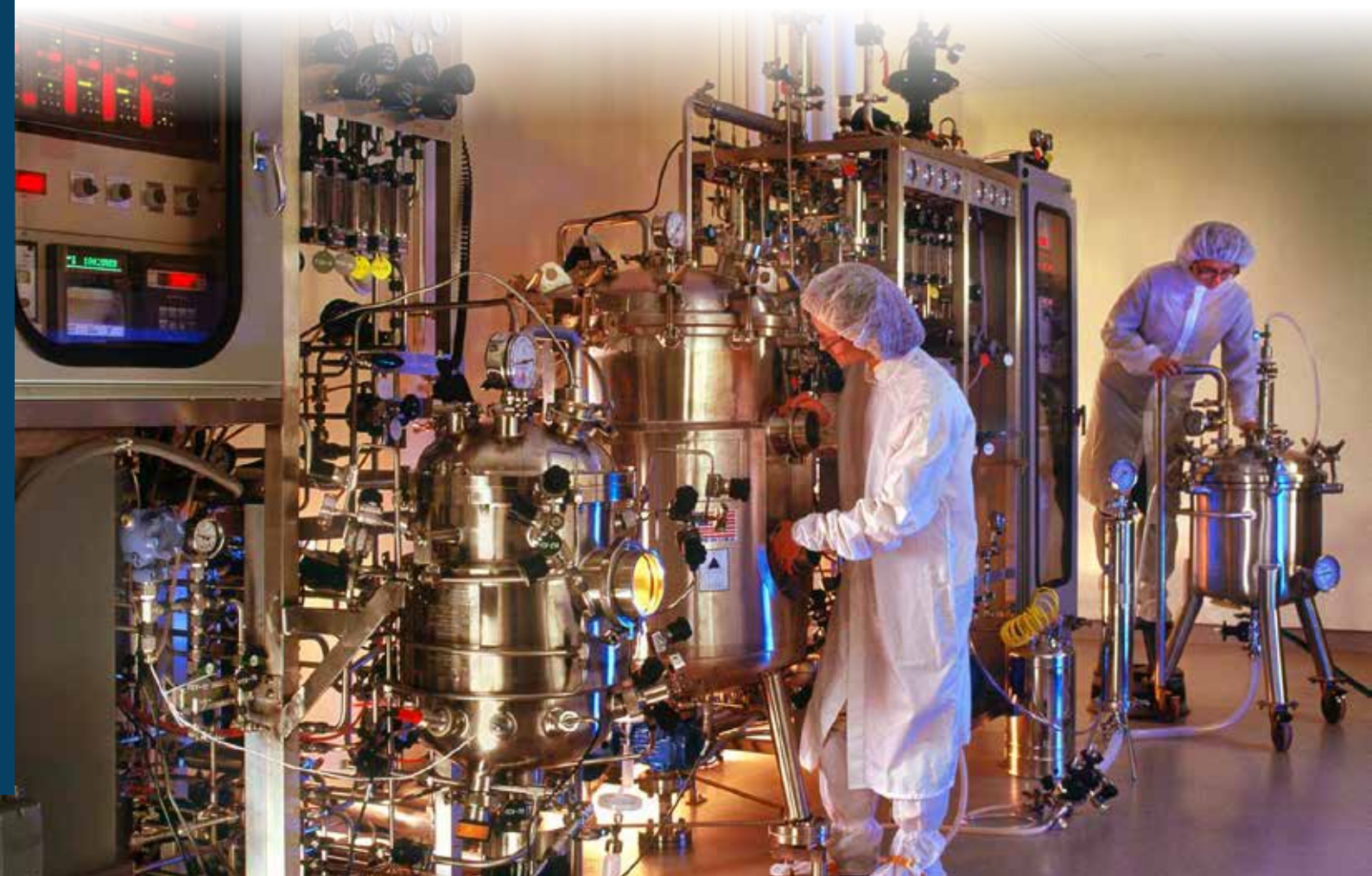
End to End Solution Provider of High Purity
Water System & Stainless Steel Processing Equipment.



www.mechwat.com



info@mechwat.com



Company Profile

Mechwat technologies group is leading manufacturer & service provider of high purity water generation system, PW/WFI Water storage & distribution system, CIP/SIP Systems, Stainless steel tanks, Vessels & Silos, SS Clean room utility pendants, SS filter housing & Membrane filter holder, system for core processes, process piping system, bulk material handling system, sewage water treatment plant, effluent water treatment plant, complete solution in environment sector.

Company profile includes turnkey base execution/consultancy work. company's product-technology & services mainly concerned with the pharmaceutical sector, power industries, cleaner industry, information technology, textile, cosmetics, health care, food & beverages, dairy, process development & manufacturing sciences.

we serve our technology & product services in India, USA, Africa, Bangladesh, Sudan, Qatar, New Zealand, Australia, and Canada.

VISION

“

Every brand has stories to tell stories that will not only engage but also inform, surprise, delight and impact their audience. but that will also deliver on measurable business goals. and our business goal & we are a conduit between brand and consumer.



Purified Water Generation System



Product Water Quality Parameters

Conductivity : $< 1 \mu \text{ S/CM}$
pH : 5 to 7
TOC : $< 100 \text{ ppb}$
Bacteria : $< 10 \text{ CFU/ml}$

Pre-treatment System (MFG-Softner-RO1)

MECHWAT Pre-treatment System is Designed & Constructed to meet water quality parameters required for the EDI Feed. The System Consist an assembly of Multi grade filter, Softener, Required Chemical Dosing Systems & RO-1 Module.

Purified Water Generation System (RO2-EDI)

MECHWAT PW Generation System Is Designed To Generate Purified Water In Compliance with cGMP Guidelines as per USP Requirement.

Salient Features

The System Constructed from AISI316L Grade Material, Orbital welded Technology, and Internally Surface Finish $< 0.4 \text{ Ra}$.

Flexible Outlet Range from 200LPH To 10000LPH Capacity.

Equipped with Touch Screen HMI With PLC Based Control To allow Ease in Operation And Monitoring. (An Single Access Interface for Full System).

GAMP and 21 CFR part 11 compliant.



PW/WFI Storage & Distribution System

Key Components

Jackated and Insulated Storage Tank

Sanitary Centrifugal Distribution Pumps

UV System

Monitoring Skid

Control Panel (PLC/SCADA)

Distribution loop Piping

Sanitary Spray Ball



PW/WFI Water Storage & Distribution System

MECHWAT PW/WFI Storage & Distribution System Is Designed To Maintain Generated Water Quality As Per USP Guidelines Throughout the Return Loop Line.

PW/WFI Loop Piping System

PW/WFI Loop Piping is Designed to meet All Required Parameters like Return Line Velocity/Flow, Conductivity, TOC, Temperature & pH.





Automated Module

Our CIP/SIP Module is Factory tested and Designed to suit the Customers Requirements. All the Requirements like controlling of parameters i.e. flow/velocity, temperature, conductivity, pressure. Full Integration between the System and process plant. Reduction in cleaning and sanitising chemicals, water, steam, and electricity. Backup alarms and reporting of irregularities.



CIP / SIP System

MECHWAT CIP System is Designed & Manufactured to meet complete Cleaning of Process Equipment's, Tanks, Vessels & Piping System.

MECHWAT SIP System is Designed to ensure sterilization of Process Equipment's, Tanks, Vessels & Piping System.



High Purity Stainless Steel Processing Equipment

MECHWAT Providing customize solution for Liquid & Solid Product Manufacturing/Processing like raw material melting, dissolving, Mixing, Agitation and storage Application of various industries.

- ✓ Liquid Manufacturing Plants
- ✓ Ointment Manufacturing Plants
- ✓ Chemical Manufacturing Plants.
- ✓ Customise Process Plants as per client's requirement.

Silos Tanks Vessels

Materials we Fabricate

- AISI 316L, 304L
- MS IS2062
- FRP
- HDPE



Clean Room Utility Pendant

MECHWAT Clean Room Utility Pendant is Widely used in Pharmaceutical Industries where the more than one clean utility required in the same place/room without affecting characteristic of the product/utility (PW/WFI Water, Pure Steam) at the same time.



Filter Housing & Membrane Filter Holder

- Cartridge Filter Housing
- Bag Filter Housing
- Vent Filter Housing
- In-line Filter Housing
- SS316L Membrane Filter Holder



Stainless Steel Valves

- Zero Dead Leg Valve
- Diaphragm Valve
- Dairy Butterfly Valve
- Sanitary Ball Valve
- Vacuum Breaker Valve
- Flush Bottom Valve
- Rotary Airlock Valve
- Safety Valve



Tubes & BPE Fittings

SS304, SS316L, Electro-polished Tubes & BPE Fittings



Services

Automatic Orbital welding service

Mechwat is doing the orbital welding service for Pipe & Tubes By using highly automated orbital welding machines. we are providing hygienic welding services on site for pharmaceutical industries, food-beverage industries and as well as for OEMS of pharmaceutical machinery manufacturers.

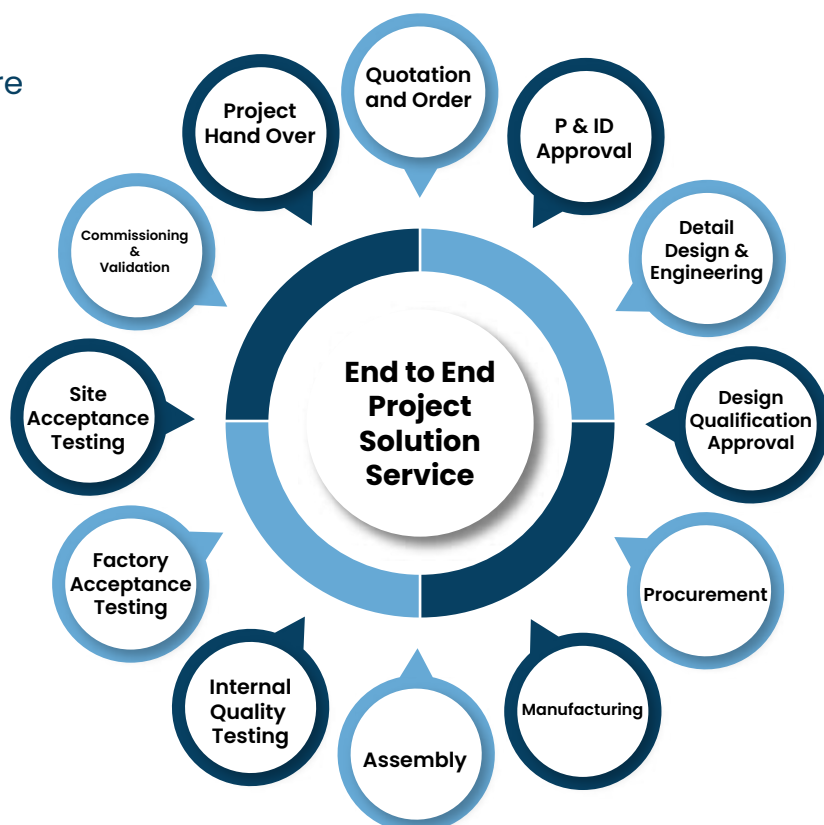
Mechwat specializes for clean room orbital welding service as well as vacuum manifolds in tubing ranging from 1/8 inch diameter to 4 inch diameter.

Utility and Process Piping service

We are engaged in supplying and Installation of wide range of Utility and Process Piping Installation Service which is widely utilized in various industries such as dairy processing, food processing, pharmaceutical, chemical industries that involve services like water, air, steam, etc. we also offer customization facility though that clients can avail this product in various specifications as per their requirements. To eliminate flaws offered range is tested on various parameters of quality by our quality controllers.

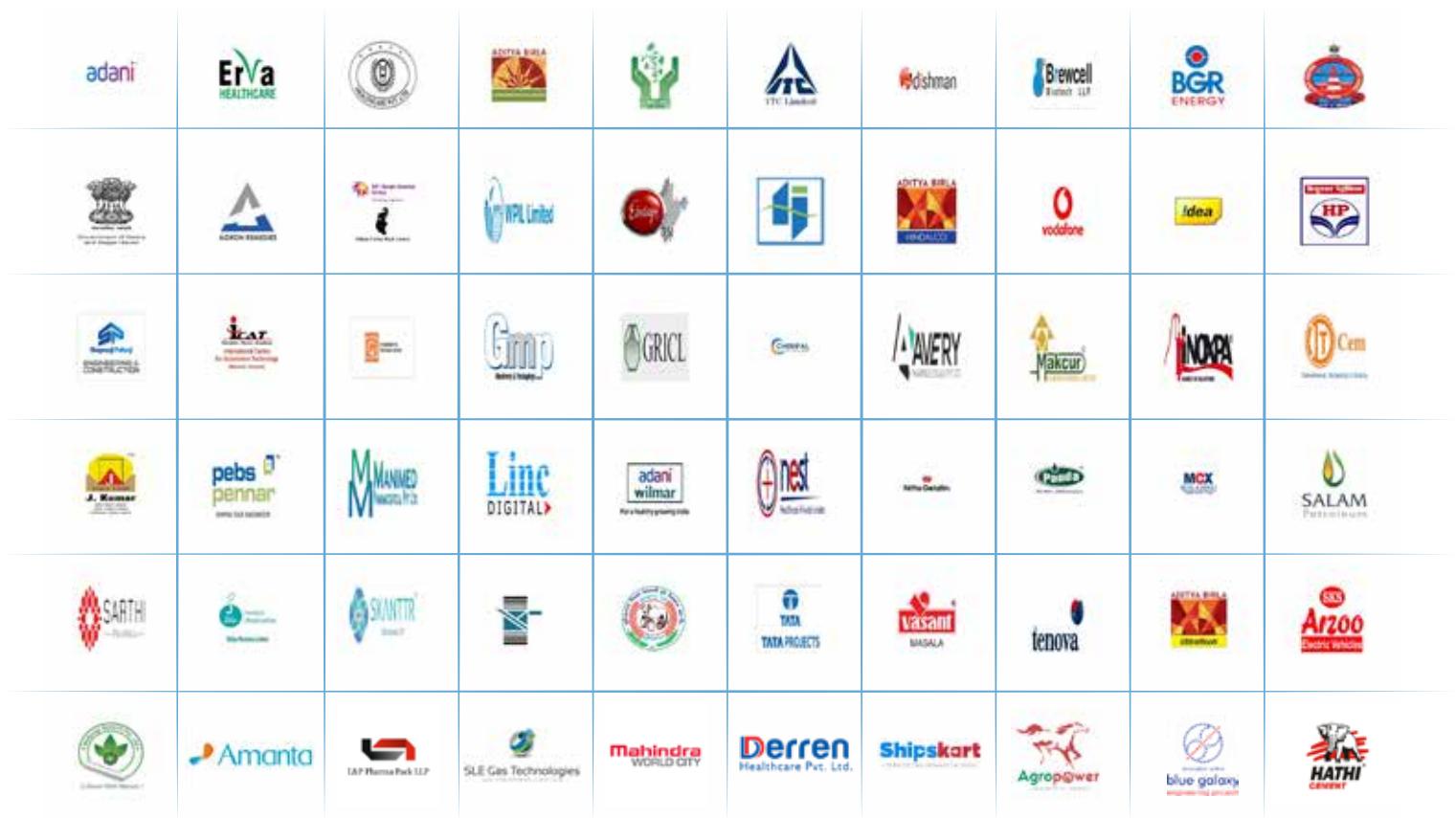
Design, Erection, Commissioning and Validation of Pharmaceutical Water System and SS Processing Equipment

- Design Qualification
- Installation Qualification
- Operation Qualification
- Performance Qualification
- Welding Qualification
- Standard Operating Procedure



Our core Competencies

VALUABLE CUSTOMERS



MECHWAT TECHNOLOGIES PVT. LTD.



Head Office

A/209, Sobo Centre,
South Bopal,
Ahmedabad, Gujarat,
India - 380058
Phone: 027-17402196
Mobile: (+91) 9824528967
Email: info@mechwat.com



Factory

At- Santej Chowkdi,
Shah alloys road, Santej,
TA : Kalol, Gandhinagar,
Gujarat, India -382721
Mobile: (+91) 9978350694
Email: info@mechwat.com

UAE

11811, Prime Tower, Business Bay, Dubai, UAE

USA

1312 Twin Knoll Dr Murphy TX 75094

New Zealand

2/15, Piako Road, Hamilton, New Zealand-3200

Canada

409-2880 Carling Avenue Ottawa, ON Canada
K2B 7Z1