www.shachiengineering.com

SHACHI
Passion Powered Performance

Competitive advantage for your business

Process Plants

Environment Solutions

Global Engineering









Successful Plant for

100+

Super Precious & Critical Applications

SHACHIProcess SHACHIEnvironment

When your product Is too Critical to Risk,

There's **Shachi.** Whether your manufacturing is critical, sensitive, complex, costly, or simply too valuable to risk, **Shachi becomes your No. 1 partner for process and environment technologies.**

We believe in developing a lasting competitive edge for **your business through our technology, plants and expertise.**

Marthu Shanbhag
Managing Director,
Shachi Engineering



500+ critical process projects delivered

400+ customers across industries

100+ high-value applications handled

27+ Years of process engineering expertise

10+ export countries

2000
Inception, founded to deliver best in process plants.

2008
Manufacturing facility in Pune.

2010
Expansion with two pilot plants.

2016
2x Capacity Expansion in Existing Pune Unit

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Core Strengths

Application-to- installation complete ownership.

Design-to-commission total expertise.

Safety at core.

Proven application **expertise.**

Value engineering with **Innovations.**

Complete **in-house manufacturing.**

SHACHIProcess

- Spray Dryers
- Evaporators
- Evaporators
- Spin Flash Dryer
- Integrated Fluid Bed Dryer

SHACHIEnvironment

- Zero Liquid Discharge (ZLD) Systems
- Effluent Treatment Plants (ETP)
- Condensate Polishing Units (CPU)
- Agitated Thin Film Dryers (ATFD)

End-to-end capability designed for lower OPEX and faster business scale-ups.

2017
Further expansion to double the size & team.

2020
Second unit at Saykha Gujarat.

2024
Evolved as Trusted Partner for your specialised applications

400+ Customers Globally

Outcomes
First. Always.

Manufacturing environments today leave no room for uncertainty. A small design oversight can lead to quality loss, downtime, or compliance risk.

Our approach balances:

- > Process science
- > Practical operating experience
- > Site realities
- > Long-term ROI

That's how we de-risk projects before they reach to steady state production.

40,000+ sq.mt. | 2 Plants



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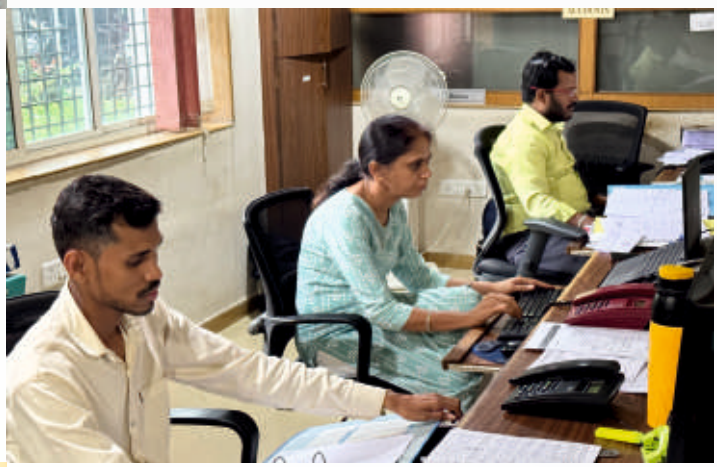
Complete in-house capability



Fully equipped and modern manufacturing

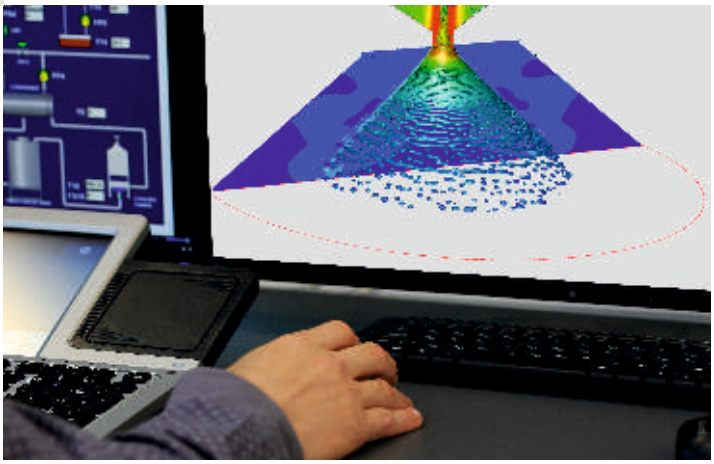
Shop floors in both plants



Project management team with deep **expertise in Process Engineering**



Design, manufacturing, testing to proving **all under one roof**



2D/3D design facility with CFD analysis

to ensure no project ever fails

SHACHI Process | No.1 Partner

Shachi Process focuses on **designing** and **delivering high-performance process** plants where output quality, operating stability, and lifecycle economics are non-negotiable. Every system is engineered around the product you sell, the conditions you operate in, and the **results you expect, batch after batch.**

Spray Dryers

Engineered for **consistent particle size, moisture, and flowability** across demanding applications. Designed using process science and CFD to deliver predictable output and energy efficiency.



Multi Stage Fluidised Bed Spray Dryer

Built for superior performance, Shachi's Multi Stage Fluidised Bed Spray Dryer delivers **controlled drying, uniform granule formation, lower thermal stress**, and reliable product consistency.



Beading Plants / Spray Congealing/ Spray Cooler

Convert molten materials into uniform, free-flowing beads with tight size control. **Built for oleochemicals and specialty products** requiring stable shape, cooling, and handling.



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Agitated Thin Film Dryers (ATFD)

Ideal for **high-viscosity, sticky, or heat-sensitive products.** Short residence time ensures drying without product degradation or fouling.



Spin Flash Dryers

Designed for **fast, uniform drying of pastes, cakes, and powders.** Systems are tuned for stable feeding, controlled drying, and consistent discharge.



Evaporators

High-efficiency evaporation systems designed to concentrate liquids with optimized steam economy. Configured to handle clean, viscous, or fouling feeds with reliable performance.



SHACHIEnvironment | **Total solution** for complex Industrial wastewater

Shachi Environment delivers **compliance-driven, sustainable wastewater solutions** that help industries recover water, control operating costs, and meet stringent environmental norms with confidence.

Zero Liquid Discharge (ZLD) Plants

End-to-end systems that recover maximum reusable water and convert residues into solids. Designed for predictable recovery, stable operation, and controlled OPEX.



Effluent Treatment Plants (ETP)

Robust treatment solutions that stabilize variable effluents and prepare them for reuse or further treatment. Built for reliability, ease of operation, and compliance.



Evaporation Systems for Wastewater

Evaporation technologies tailored for industrial effluents, helping reduce liquid waste and minimize disposal volumes while improving overall sustainability.



SHACHI
Passion Powered Performance

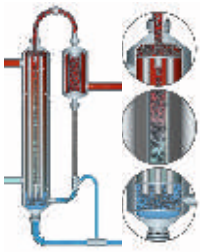
Bringing the world's best technologies to our clients.

Shachi collaborates with leading global technology providers to strengthen its engineering capabilities, offering proven solutions backed by international expertise, executed with Indian manufacturing and service excellence.

International Collaborations

Self-Cleaning Evaporators

An innovative system that continuously removes scale and debris to prevent fouling, reduce maintenance downtime, and maintain maximum energy efficiency.



Oil-free Atomizers

Oil-free Atomizers

from 1 kW to 355 kW, customized for customers' needs, providing pure powder production, no contamination risk, and simplified operating procedures.



Calcium chloride ($CaCl_2$) Granulator

Reliable fluidized bed granulator, hot air furnaces for calcium chloride production (CACL2).



MVR- Roots Steam Compressor

An integrated enterprise Solutions for

- Roots Blowers
- Roots Vacuum Pumps
- MVR Steam Compressors
- MVR Evaporators
- Zero Liquid Discharge Technology
- Seawater Desalination
- Water Treatment Engineering



Service Support

Shachi Engineering provides dedicated post-sales and after market support to keep your critical process plants and other equipment performing at its best. In-house maintenance teams rely on our systematic, expert service to maximize reliability, output, and performance.

Installation & Commissioning

Annual Maintenance Contracts

Health Check Assessments

Operator Training

Emergency/ Urgent Repairs

















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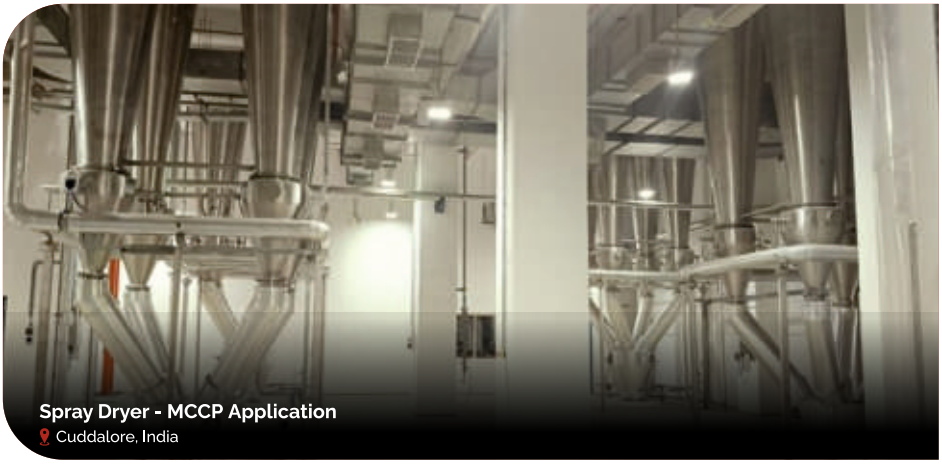
Recent Projects


Spray Dryer - MCCP Application
Cuddalore, India

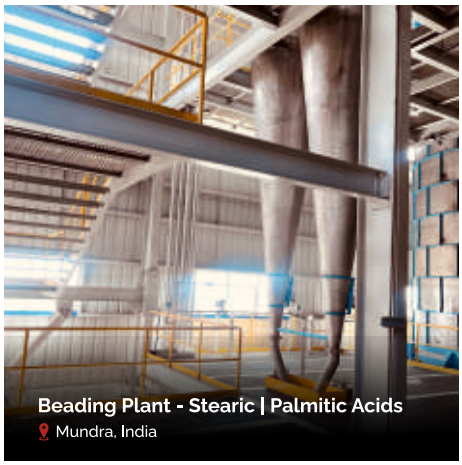

Spray Dryer - Spirulina Application
Saudi Arabia


Spray Dryer - High Alumina Ceramic
Bengaluru, India


Spray Dryer - Flavors and Fragrances
Silvasa, India


Spray Dryer - MCCP Application
Nagpur, India


Beading Plant - GMS Acids
Russia


Beading Plant - Stearic | Palmitic Acids
Mundra, India


Beading Plant - Stearic | Palmitic Acids
Indonesia


ZLD Plant - Oleo Chemicals RO Rejects
Krishnapatnam, India


ZLD Plant - Process Effluents for API
Vizag, India


ZLD Plant - Steel Plants RO Rejects
Sahidabad, India

SHACHI
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Global Presence. Local Support.

Installations across **India** and key export markets —
Southeast Asia, MENA, Africa, CIS.



Unit I – Pune, Maharashtra



Gat No. 271, Sr. No. 38, A/Po. Bhare,
Tal. Mulshi, Pirangut,
Dist.: Pune - 412 115, Maharashtra.

Unit II – Saykha, Gujarat



Plot No. E-185, Saykha Ind. Est.
S. No. 44/P, 46/P to 49/P Juned Vagra,
Bharuch, Gujarat -392140.

+91 96899 44897 / 020-66546904 / +91 70304 70233
marketing@shachiengg.com / sales@shachiengg.com