BLUEORBIT INDUSTRIES

COMPANY PROFILE · 2 OCTOBER 2026

Engineering the Processes Behind the Plant.

Process engineering across bioenergy, brewery systems and water treatment, supporting 70+ industries across India — part of Blue Orbit Group, with a founding discipline dating back to 1998.

COMPANY OVERVIEW

BlueOrbit Industries.

BlueOrbit Industries is a process engineering company delivering bioenergy & biofuel plant engineering, brewery process systems, water & wastewater treatment, and critical process equipment — with every system validated against contracted performance targets before formal handover, not just visually inspected.

Skilled	70+	Multiple	2021
PROCESS ENGINEERING TEAM	INDUSTRIES SUPPORTED ACROSS INDIA	SERVICE VERTICALS	FOUNDED

REGISTRATION

Practice established 2021 · Pune, Maharashtra · Part of Blue Orbit Group

WHO WE ARE

The process engineering behind the plant.

BlueOrbit Industries was established in 2021 to bring focused process engineering capability into Blue Orbit Group's operating portfolio — covering bioenergy & biofuel plant engineering, brewery process systems, water & wastewater treatment, and critical process equipment for clients across India. Over five years, the practice has built cross-vertical expertise: the same fermentation and separation know-how that supports a biofuel plant also applies to brewery process systems, and the water-balance discipline required in bioenergy production directly supports water treatment and zero liquid discharge (ZLD) work.

MISSION

Our mission is to engineer process systems that are validated before handover, not just built to a drawing — so clients receive a plant that actually performs to its contracted targets from day one.

Validated, Not Just Inspected

Process systems validated against performance targets, not just visually inspected.

Cross-Vertical Discipline

Engineering discipline carried across every project — bioenergy, brewery and water alike.

Factory Acceptance Testing

Equipment performance verified before dispatch, every time.

A Complete Quality Record

Handed over with every project — not just a working plant.

WHAT WE DO

Our Services.

Bioenergy & Biofuel Plant Engineering

Process design, mass-balance modelling, and mechanical/piping engineering for bioenergy and biofuel plants.

Brewery Process Systems

Process engineering for brewery systems, applying the same mass-balance discipline used across our bioenergy work.

Water & Wastewater Treatment

Process design and equipment engineering for water and wastewater treatment systems.

Critical Process Equipment

Specified and supplied as a standalone scope for clients who already have their own process design and need a specific piece of equipment engineered to their targets.

Process Consulting & Plant Optimization

Reviewing an existing facility and engineering targeted upgrades — a retrofit path rather than a full rebuild.

INDUSTRIES WE SUPPORT

Process engineering across roughly 70 industries.

01 — Bioenergy & Biofuels

The founding vertical of our practice — process design for biofuel and bioenergy production, from feedstock handling through to output specification.

02 — Brewing & Beverages

Fermentation and separation process systems for breweries and beverage producers, applying the same core discipline used in bioenergy work.

03 — Water Utilities

Water and wastewater treatment system design, including zero liquid discharge (ZLD) process engineering for utilities and industrial water users.

04 — Food Processing

Process equipment and water-balance engineering for food processing facilities, where hygiene-grade material handling is non-negotiable.

05 — Pharmaceuticals

Critical process equipment specification for pharmaceutical manufacturing, where process consistency and validation records matter as much as throughput.

06 — Chemical Processing

Process system design and equipment fabrication for chemical processing plants handling reactive or hazard-aware material flows.

07 — Textiles

Water treatment and process equipment for textile manufacturing, an industry where effluent treatment is often the single largest compliance burden.

08 — Industrial Manufacturing

Process consulting and critical equipment support for general industrial manufacturing facilities.

CROSS-VERTICAL EXPERTISE

Why the same team works across bioenergy, brewery and water.

Fermentation & Separation

The core process chemistry behind both biofuel production and brewing — shared engineering discipline across two service lines.

Water-Balance Engineering

The water-balance discipline required to run a bioenergy plant efficiently is the same discipline behind water treatment and ZLD design.

Mass-Balance & Equipment Sizing

Every process vertical starts with the same mass-balance modelling approach to size equipment and set realistic performance targets.

HOW WE DELIVER

From process design to validated handover.

01 Mass-Balance Modelling

Sizing equipment and setting performance targets before any detailed design begins.

02 Process Route Selection

Choosing the process approach best suited to the client's feedstock, output goals and site constraints.

03 Detailed Engineering

Equipment specification, piping design, and control system planning.

04 Factory Acceptance Testing

Verifying equipment performance at the manufacturer's facility before it ships to site.

05 Installation & Commissioning

Phased startup until the plant runs at its contracted performance targets.

06 Performance Validation

Confirming the plant meets its targets before formal handover — not just a visual inspection.

GET IN TOUCH

Contact BlueOrbit Industries.

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