



WASTEWATER TREATMENT PLANT FOR BREWERIES

WOG Technologies delivered a turnkey WWTP for a brewery, treating high-strength effluent with advanced processes like anaerobic digestion, aeration, clarifiers and tertiary treatment.

The plant not only ensures regulatory compliance but also enables treated water reuse within the facility, reducing dependence on costly freshwater sources. By incorporating energy-efficient technologies and leveraging biogas recovery potential, the project delivers long-term operational savings and sustainability benefits.

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Challenges

- High organic and complex effluent requiring advanced treatment.
- Growing water stress and expensive conventional water supplies.
- Need for energy-efficient treatment technologies with minimal discharge.

Solutions

- Pre-filtration: coarse solids removal
- Anaerobic digesters: organic load reduction + biogas
- Aeration & flash mixers: biological treatment
- Clarifiers & filters: effluent polishing
- Tertiary treatment: discharge & reuse compliance
- GFS tanks & systems: long-term reliability.

Results

Effluent Quality Achieved:

- BOD reduced from up to 4000 mg/L → <30 mg/L
- COD reduced from 9000 mg/L → 125 mg/L
- TSS reduced from 2500 mg/L → <45 mg/L
- TDS reduced from 2500 mg/L → <100 mg/L

For detailed techno-commercial proposal or site visit coordination,

✉ **Drop us an e-mail at:**
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Impact

- Achieved outlet parameters consistently within limits.
- Sustainability: Reduced wastewater disposal, minimized environmental footprint.
- Turnkey Excellence: Delivered end-to-end solution with proven performance validation.