

Utility - Technical Lead

Náplň práce

Role Purpose

Lead the planning, operation, optimization, and statutory compliance of all plant utilities while ensuring **high reliability, cost efficiency, sustainability, and seamless coordination with government authorities.**

Key Responsibilities

1. Utility Operations & Reliability Leadership

- Ensure **100% utility availability** with zero impact on production
- Drive uptime improvement actions and system stabilization
- Monitor critical parameters and implement control strategies

2. Maintenance & Reliability Engineering

- Own **Preventive, Predictive, and Condition-Based Maintenance (CBM)**
- Lead advanced RCA (5 Why, Fishbone, FMEA, A3 Analysis)
- Improve MTBF and reduce repeat failures

3. Utility Systems Ownership

End-to-end responsibility for:

- Compressed Air Systems
- Cooling Towers & Chilled Water Systems
- HVAC & Ventilation, Air Handling Units
- Water Treatment (RO, DM, Softener, Chemical dosing)
- Electrical Systems (Transformers, DG, Panels, UPS, Servo, LT /HT, Open Access)

4. Energy Management & Sustainability

- Drive plant energy efficiency roadmap
- Optimize consumption (kWh, Nm³, KL) and reduce costs
- Lead sustainability initiatives (water reuse, energy reduction, decarbonization)

5. Government Liaison & Statutory Compliance

- Act as **single point of contact with authorities:**
 - Pollution Control Board
 - Electrical Inspectorate (DHBVN)
 - HSPCB, Waste Management
 - Fire & Safety Department
 - Local Municipal / Water Authorities- HSIDC
- Manage:
 - Licenses, renewals, and statutory documentation
 - Inspections, audits, and compliance closure
 - Environmental reporting (water discharge, emissions)



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Úroveň vedenia ľudí
Leading People

Právnická osoba
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- Obtain approvals for new installations / expansions
- Ensure **zero regulatory non-compliance risk**

6. ESH Governance

- Ensure compliance with **ESH standards and regulatory norms**
- Implement LOTO, PTW, confined space practices
- Support ESH audits and zero-incident culture
- Support Sustainability initiatives along with ESH team.

7. Vendor & Contract Management

- Manage vendors, AMC/ CMC contracts, and service providers
- Validate technical solutions and execution quality
- Ensure cost and safety compliance

8. Digitalization & Monitoring

- Develop utility dashboards and KPIs
- Implement IoT / automated monitoring systems
- Drive data-driven decision making

9. Projects & Continuous Improvement

- Lead capex and utility improvement projects
- Drive Six Sigma / Kaizen initiatives
- Support plant expansion and infrastructure projects

10. Facility & Infrastructure Support

- Ensure proper workplace environmental conditions
- Support facility maintenance and future expansion planning

Technical Knowledge Requirement (Advanced & Expert Level)

Advanced Level Knowledge (Must Have)

- Utility system fundamentals:
 - Compressed air system design, leak analysis, pressure optimization
 - Cooling tower performance, heat load calculations
 - HVAC load calculations and air balancing
- Water chemistry & treatment:
 - RO/DM operations, scaling, dosing control, TDS/pH optimization
- Electrical systems:
 - Load calculations, DG synchronization basics, power factor control
- Maintenance systems:
 - Preventive & predictive maintenance planning
 - Basic vibration, thermography, and condition monitoring
- Data analysis:
 - Trend analysis of utility consumption and performance
- Safety systems:
 - Electrical safety, pressure systems, chemical handling

Expert Level Knowledge (Should Know)

Advanced system optimization:

- Energy optimization (specific energy reduction: kWh/Nm³, kW/TR)
- System integration & automation (BMS / SCADA / IoT-based)

monitoring)

- Utilities design & sizing:
 - Compressor sizing, piping networks, pressure drop calculations
 - Chiller & cooling tower selection and system balancing
- Advanced electrical knowledge:
 - Load flow concepts, HT/LT systems, reliability planning
- Water treatment expertise:
 - Chemical dosing strategy (corrosion, scaling, bio-control)
 - Effluent management and reuse strategies
- Reliability engineering:
 - FMEA, RCM (Reliability Centered Maintenance), lifecycle costing
- Regulatory expertise:
 - Deep understanding of statutory norms (PCB, electricity, boiler laws)
- Project management:
 - Capex planning, ROI evaluation, supplier technical validation
- Digital transformation:
 - Data-driven optimization using dashboards & predictive analytics

Key KPIs

- Utility uptime (%)
- Corrective & Preventive Maintenance Cost
- Spare Part Management
- Energy consumption per unit
- Water consumption per unit
- Cost savings (and %)
- MTBF / MTTR
- Statutory compliance score (100%)
- Audit observations (zero major NC)
- Sustainability metrics (water reuse %, energy reduction %)

Profil kandidáta

Education

- BE/ B. Tech in Electrical / Mechanical.
- Add on Certifications for Electrical Safety Handling/ ESH Governance (Plus point)

Experience

- **10-12 years in plant utilities / maintenance**
- Proven experience in:
 - Independent utility management
 - Government liaison & statutory compliance
 - Energy / cost optimization

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Reporting Structure

- Reports to: Plant IE Head
- Interfaces with: Production, Facility , HR, ESH, Projects, Finance, Test labs Government Authorities

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just anyone's job. Make it yours! **Join AUMOVIO. Own What's Next.**