

# Utility - Technical Lead

## Vos activités

### 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, Nm<sup>3</sup>, 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)



Référence  
**REF9955U**

Site  
**Gurgaon**

Niveau de leadership  
**Leading People**

Unité légale  
**AUMOVIO India Private Limited**

- 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/Nm<sup>3</sup>, 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 %)

### **Votre profil**

#### **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

### **Notre offre**

#### **Reporting Structure**

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

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