



CONSULTANCY HANDBOOK

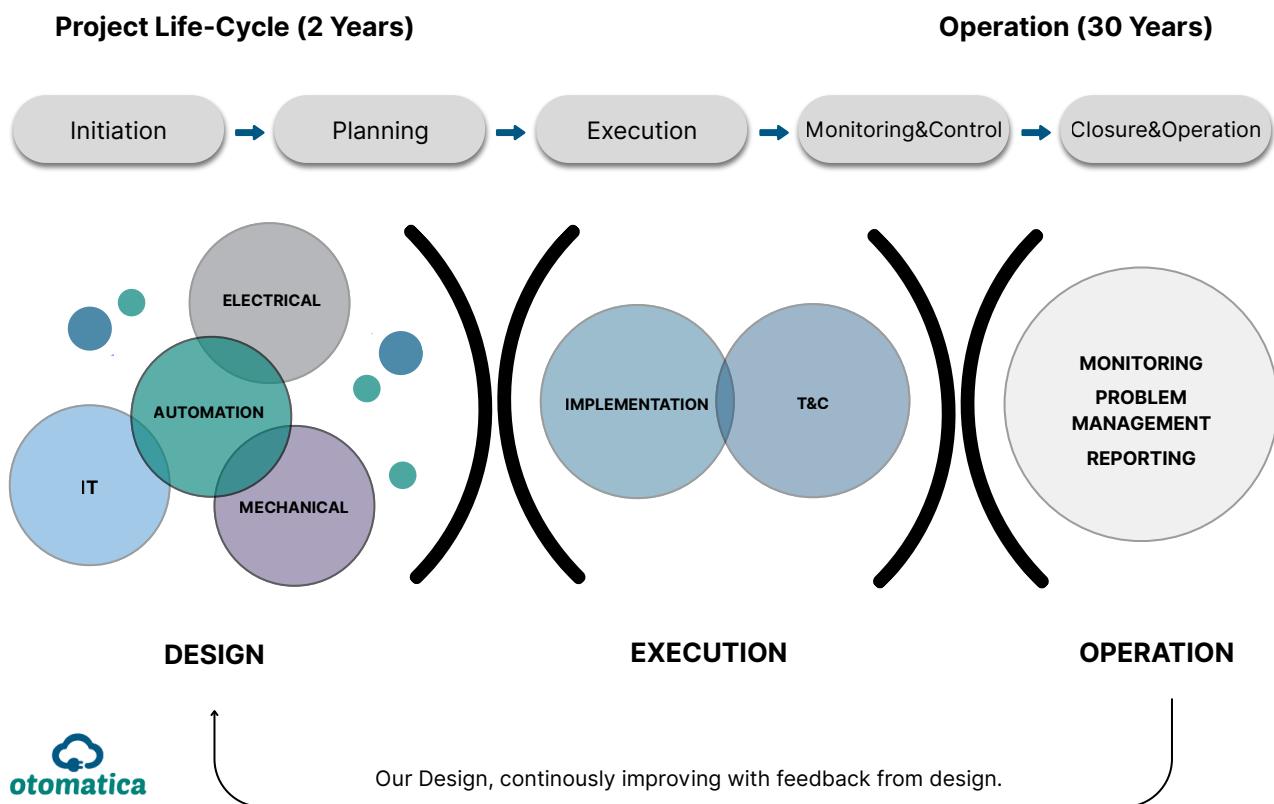
CONSULTANCY SERVICES

Empowering Critical Facilities Through Strategic Expertise

Otomatica provides end-to-end consultancy services for critical facilities, particularly data centers, with a focus on sustainable infrastructure digitalization. Our services span the entire lifecycle of a facility - from initial concept to long-term operation - ensuring high availability, performance, and efficiency.

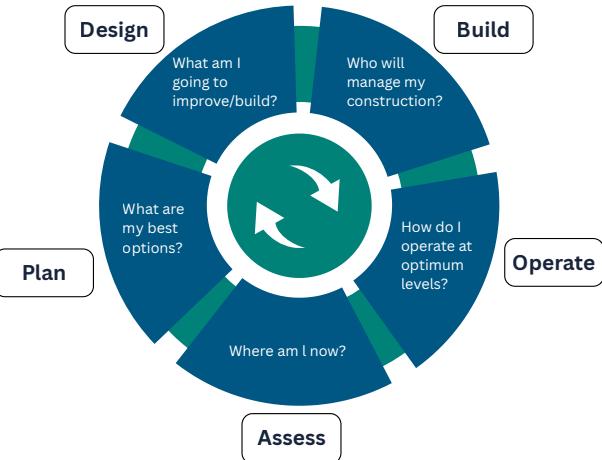
KEY CONSULTANCY AREAS

- Uptime Institute Design Certificate Consultancy
- Uptime Institute Testing and Commissioning Consultancy
- Uptime Institute Sustainable Operation Consultancy
- Data Center Systems and Operation Training
- Operation Management Systems' Conceptual Design
- Gap and Capacity Usage Analysis – Tier Compatibility Check
- Energy and Efficiency Management
- Detailed Design and Specifications of Operation Management Systems



OUR CONSULTING PORTFOLIO

Continuous Improvement Cycle



UPTIME INSTITUTE DESIGN CERTIFICATE CONSULTANCY

Otomatica reviews and creates the design documentation—from concept through detailed drawings and technical specifications—aligned with the targeted Uptime Institute Tier level. We guide design teams and coordinate the path to TCDD (Tier Certification of Design Documents). This helps prevent strategic design errors that could put a multi-million-dollar investment at risk and trigger costly rework later. The outcome is a design validated for topology, architecture, and equipment selections consistent with the chosen Tier, ready for Uptime submission.

UPTIME INSTITUTE TESTING AND COMMISSIONING CONSULTANCY

Before Uptime's TCCF (Tier Certification of Constructed Facility), Otomatica runs integrated, real-world scenario tests across power, cooling, and automation to verify system behaviour under varying loads. We manage pre-Uptime proof tests, site readiness, and log capture to surface hidden issues and optimize settings. The result is a facility ready to demonstrate the required availability and performance for the targeted Tier.

UPTIME INSTITUTE SUSTAINABLE OPERATION CONSULTANCY

Otomatica establishes policies, processes, RACI and vendor management, training, and shift rules to embed a resilient, proactive operating culture. The scope includes spare-parts lifecycle management, SLA and SOP/MOP/SCP forms. Round Policy for routine configuration checks and evidence capture. We implement risk and change management across IT/OT, with incident reviews, lessons-learned loops, and KPI alignment (availability, MTTR/MTBF) tied to audit-ready documentation. The outcome is a people-independent, continuously improving operation that sustains business continuity and compliance.

DATA CENTER SYSTEMS AND OPERATION TRAINING

Our training covers the interaction of electromechanical systems, sustainable operation principles, and capacity/availability objectives. Delivered in confidential, customer-specific classes, they reduce human error and standardize correct maneuvers for complex systems. Teams leave with practical know-how to improve uptime and measurable operational efficiency.



OPERATION MANAGEMENT SYSTEMS' CONCEPTUAL DESIGN

Management systems (BMS/PMS/DCIM, etc.) should be planned at concept stage to form a sustainable operations backbone. Otomatica defines the road map, including Tier-aligned operating scenarios, cybersecurity architecture, and IT/OT integrations—to ensure long-term reliability and interoperability.

GAP AND CAPACITY USAGE ANALYSIS – TIER COMPATIBILITY CHECK

For existing sites, we assess concurrent maintainability and capacity utilization limits, and map load-flow risks to evaluate Tier alignment. Cooling performance is checked against design and operational expectations, with alternative run strategies recommended. This enables data-driven upgrade and investment decisions without compromising continuity.

ENERGY AND EFFICIENCY MANAGEMENT

We implement systems and processes to collect, analyze, and act on energy data across HVAC, lighting, power, and consumption management. Metrics such as PUE (Total Facility Energy / IT Energy) guide setpoint and strategy optimization. With SCADA, alarming, and reporting in place, continuous improvement becomes part of day-to-day operations.

DETAILED DESIGN AND SPECIFICATIONS OF OPERATION MANAGEMENT SYSTEMS

For new builds or refreshes, Otomatica delivers detailed designs covering architectures, hardware specs, protocols, HMI/menu structures, alarm matrices, sensor and point lists, and operational scenarios. The objective is an end-to-end control layer where every subsystem is visible, auditable, and manageable. Deliverables include complete specifications and drawings aligned to recognized best practices.





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