SHAMICK LAHIRI

📞 +91-876-333-9207

✉ shamick.lahiri@gmail.com   🏠 Bhubaneswar, Odisha, India

EDUCATION

Ξ **Indian Institute of Management (IIM) Tiruchirappalli, India**
Postgraduate in Executive General Management
2022 – 2023

Ξ **Birla Institute of Technology & Science – Pilani, Goa, India**
BE (Hons) in Chemical Engineering
2007 – 2011

Ξ **École Nationale Supérieure des Mines d'Albi-Carmaux, France**
Masters in Energy & Environmental Engineering
2012 – 2014

Ξ **Scaler Neovarsity – Woolf University, Malta**
Masters in Computer Science: Artificial Intelligence & Machine Learning
2024 – 2026

EXPERIENCES

⚒ Consultant & Engineer
General Electric -Altran Technologies, Le Creusot, France | 2015 - 2017

Project Management and Planning –Turbines & Compressors Manufacturing
Planning Control (Primavera):
Ξ Analyzed weekly progress reports from all factory departments, ensuring alignment with project goals.
Ξ Delivered **projects worth EUR 200 million on-time**.

Resource Management
Ξ Procurement and Supplier: Streamlined procurement processes for critical components (airfoils, shafts, body parts), reducing lead times and improving operational efficiency.
Ξ Manufacturing: Collaborated with manufacturing and testing technicians on the shop floor to identify operational hurdles, resolve issues, and implement solutions.

Stakeholder and Client Engagement
Ξ Client Reporting: Compiled and presented monthly progress reports to clients, ensuring clear and transparent communication regarding project status.

Assisting Audits & Inspections
Ξ Accompanied clients during site visits and audits, addressing all client demands related to the audit.
Ξ Ensured client satisfaction with audit procedures in accordance with contractual agreements.

Manufacturing Change Management
Ξ Backlog Management: Worked closely with manufacturing and testing teams on the shop floor to monitor delays, resolve bottlenecks, and align progress with planning baselines.
Ξ Planning Adjustments: Developed strategies and implemented planning modifications to accommodate evolving project needs and ensure successful project outcomes.

⚒ Project commissioning manager & TFA Engineer
Valeo India | 2017 - 2020

Commissioning: Investment Proposal, Budgeting & Financial Analysis
Led cross-country tech transfer from France to establish a validation lab in Valeo Chennai, managing multi-crore CAPEX budget, procurement, and global coordination from planning to commissioning.

Operational Strategy Design: Designed and implemented an R&D offloading strategy to reduce personnel hourly rates and overall costs, contributing to **significant bottom-line improvement**.

Need Assessment and Budget Creation:
Ξ Conducted comprehensive need assessments for laboratory equipment, tools, and consumables.

- Identified budget-friendly, technically validated equipment & suppliers (local and international), **reducing CAPEX by €3 million** while maintaining equivalent quality.

Investment Planning and Financial Analysis:

- Developed a 5-year investment plan and business model, converting CAPEX depreciation and OPEX into hourly rates using workload forecasts.
- Prepared and presented investment proposals to senior management, highlighting ROI and cost-benefit analysis.

Vendor Management:

- Key stakeholder in the new vendor onboarding process and managed existing vendor relationships.
- Collaborated with vendors to ensure equipment compliance with technical and operational requirements.

Project Management and Product Lifecycle management (Preproduction & Aftermarket)

- Hands-On Shop Floor Experience: Worked closely with shop technicians to perform destructive analysis, validating product quality and gaining firsthand insights into operational challenges.
- Managed the product lifecycle testing, tendering, engineering, and outsourcing of testing if needed.
- Conducted validation and testing of pre-production & aftermarket parts to ensure they met quality and performance standards.

Client Reporting and Stakeholder Management:

- Managed client reporting and stakeholder communication.
- Presented operational and financial improvement plans to management and directors, securing approvals and driving project success.

Quality Assurance and Certification (ISO 9001 and ISO 17025):

- Managed certification processes, ensuring adherence to global quality standards.
- Implemented Quality Management Systems (QMS) using QRQC, QRAP, and PDCA methodologies.

Operations Management:

- Restructured resource utilization and optimized workload planning using Gantt charts and Excel, ensuring timely project execution and improved efficiency.
- Designed operational strategies for laboratory setup to align with cost reduction and productivity improvement goals.

⚲ Lead Engineer Manager – IoT based connected car
Mahindra & Mahindra | 2022

Data-Driven Operations and Cost Optimization:
- Analyzed 6 months of data from 40,000 connected vehicles using advanced analytics, identifying opportunities for cost reduction and resource optimization.
- Designed and implemented a savings plan that reduced costs by ₹750 per vehicle annually, **achieving ₹30 million in annual savings** across the fleet.

Digital Subscription Management and Payment Systems:
- Led the PAN-India rollout of digital subscription management for IoT-based connected car applications, enhancing service efficiency and customer experience.
- Integrated the CC Avenue payment gateway into the connected car app and devised a subscription pricing model using data insights.
- Enhanced digital transformation efforts by aligning subscription models with business goals for top-line growth.

Data Privacy and Compliance Management:
- Collaborated with the Legal Team to implement robust data privacy measures, ensuring full compliance with regulations.
- Established and managed data systems to maintain user data integrity and security.

Vendor and Resource Management:
- Payments for cloud services (AWS) and network services (VI), ensuring uninterrupted operations.

⚲ Freelance Consultant for Startup in Odisha
Clients: United Nations (UNDP), Bloomberg USA, Delivery Associates, Australia | 2022 – 2023

Recognition: Article on waste collection **globally ranked among the top 75 by NITI Aayog**-Life, MoEF&CC, Government of India

Data-Driven Monitoring and Analysis:

- Conducted comprehensive market data analysis for 1,500 farmers and 81 bulk institutions (hotels, hostels, etc.), providing actionable insights to optimize operations.
- Designed and maintained Tableau dashboards, delivering transparent reporting to stakeholders, including Bloomberg and UNDP.

Renewable Energy, Cold Chain solution & IoT:

- Built a financial analysis tool in Excel (with macros and VBA) for industrial solar projects to simulate ROI, cash flow, and profitability for both short- and long-term scenarios.
- **IoT Implementation**: Introduced **IoT-based temperature and power monitoring** for cold rooms, enabling real-time tracking of system health and operational status.

Stakeholder Engagement

- Collaborated with high-profile partners, including multinationals, government bodies, and institutions, to drive impactful outcomes.

Project Management:

- Managed complex projects with strict adherence to objectives and timelines, ensuring client satisfaction.

ℵ Professional Assistance for Development Action – PRADAN
Expert Consultant | 2023 – Present

Key Contributions:

Project Management Across 4 States: Oversaw data-driven development programs; managed strategic planning, execution, and stakeholder reporting.

Data Analytics & Visualization: Designed and implemented Power BI dashboards for real-time tracking of sustainability metrics and project KPIs.

Digital Transformation: Initiated shift from manual M&E systems to a digitized platform, improving reporting quality and actionable decision-making.

Research & Decision Support: Led economic and ecological data collection at Gram Panchayat level to inform development interventions.

Annual Reports & Executive Presentations: Prepared data-driven reports and board-level presentations to showcase organizational achievements, project outcomes, and strategic directions.

LANGUAGES

- English: Fluent
- French: Fluent (French-taught Master's degree in Engineering; TCF Level B2)
- Hindi: Fluent
- Oriya: Fluent
- Bengali: Fluent