



SOMNIUM
MANAGEMENT CONSULTING PVT. LTD.



ABOUT US

Welcome to **Somnium Management Consulting Pvt. Ltd**, your partner in mineral processing/Raw Material Handling plant engineering. We prioritize innovation, sustainability, and excellence to deliver tailored solutions that optimize operations while championing environmental stewardship. With expertise in basic and detailed engineering services, we offer cost-effective solutions tailored to your needs. Our approach combines innovative technologies with rigorous analysis and sustainable practices, ensuring compliance and effectiveness. Whether optimizing processes or addressing environmental challenges, we're here to guide you every step of the way, committed to achieving your goals sustainably.

MISSION STATEMENT

We enable our clients to enhance mineral processing and raw material handling for efficiency, environmental stewardship, and enduring prosperity. Drawing on unmatched engineering process, we deliver tailored, comprehensive solutions. By customizing strategies to specific requirements, we ensure operations remain sustainable while maximizing overall effectiveness and outcomes for our clients.

VISION STATEMENT

Our vision is to revolutionize the mining sector through innovative, sustainable engineering solutions. Aspiring to be the foremost global authority in mineral beneficiation and raw material handling, we aim to catalyze meaningful transformation and foster a future characterized by responsible resource stewardship. Through pioneering initiatives and strategic leadership, we seek to drive significant change, ultimately shaping a landscape where environmental integrity and efficient resource management are paramount.



OUR EXPERTISE

At Somnium Management Consulting Pvt. Ltd. we specialize in tailored engineering solutions for Mineral Beneficiation/ Raw Material Handling Plants. Our multidisciplinary team of experts ensures meticulous project management from concept to execution.

Engineering Excellence: Our skilled professionals guarantee top-notch results, covering process engineering, plant design, and environmental management

Comprehensive Services: From feasibility studies to basic engineering, our customized solutions meet your project's unique objectives and challenges

Innovation and Technology: We integrate cutting-edge solutions, including advanced automation systems and sustainable practices, to optimize your operations

Environmental Sustainability: Our designs minimize impact and adhere to regulatory standards, promoting eco-friendly mining and processing methods

Client-Centric Approach: We prioritize building strong partnerships, ensuring our solutions exceed your expectations and contribute to long-term success



INDUSTRIES SERVED



Mining



Minerals Processing



Raw Material Handling

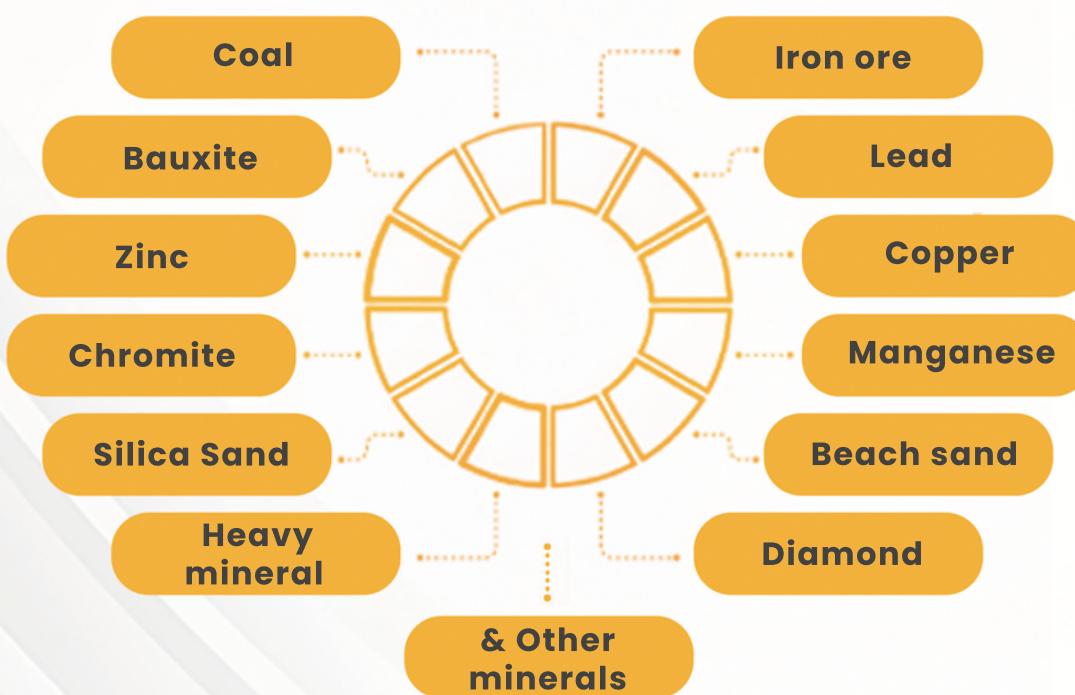


Metallurgy



Smelting and Refining

MATERIALS HANDLED



SERVICES OFFERED

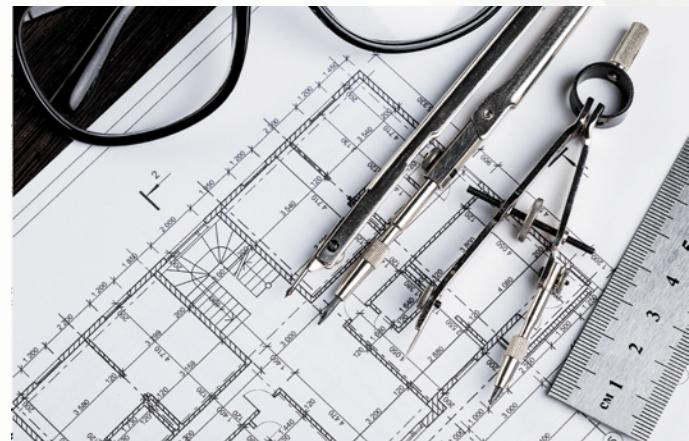
Pre Tender Stage

Pre-Feasibility Report

- Assessment of Available Land and Infrastructure Facilities
- Examination of Plant Emissions and Pollution Sources
- Process Route Description and Material Flow Development
- Technology Selection for Beneficiation and Capacities of Key Technological Units
- Initial Capital Cost and Project Cost Estimation
- Project Implementation Schedule Preparation
- Comprehensive Water Balance

Detailed Project Report

- Project Overview, Objectives, and Major Findings
- In-depth Plant Description
- Technical Viability Evaluation
- Environmental Impact Assessment (EIA)
- Financial Feasibility Examination
- Risk Evaluation
- Project Implementation Strategy
- Adherence to Legal and Regulatory Requirements
- Social Impact Evaluation



Owner Consultant

- Engaging with Engineering Firms to Formulate Intricate Engineering Blueprints for the Facility
- Scrutinizing and Endorsing Design Sketches, Specifications, and Technical Paperwork
- Guaranteeing Adherence to Industry Norms, Regulations, and Optimal Methodologies
- Handling Procurement Processes and Overseeing Contractual Obligations
- Supervising Project Progress and Construction Activities Meticulously
- Ensuring Environmental and Regulatory Conformity throughout Project Phases
- Prioritizing Safety Protocols and Managing Potential Risks Effectively
- Facilitating the Commissioning Process and Providing ongoing Operational Assistance

Feasibility Studies

- Economic Assessments
- Resource Estimation
- Risk Analysis

Tender support

- Conceptual Design and Layout
- Process Flow Diagrams (PFDs) and Material Balances
- Preliminary Equipment Sizing and Selection
- Capex and Opex Costing



During Execution of Project

Basic Engineering

- Conceptual Design and Layout
- Process Flow Diagrams (PFDs) and Material Balances
- Preliminary Equipment Sizing and Selection

Detailed Engineering

- Development of Process and Instrumentation Diagrams (P&IDs)
- Equipment Specifications and Detailed Design
- Civil and Structural Engineering
- Electrical and Instrumentation Engineering

Project Management

- Project Planning and Scheduling
- Cost Estimation and Control
- Quality Assurance and Control



During Operation

Process Optimization

- Performance Analysis and Troubleshooting
- Identify Inefficiencies and Bottlenecks
- Streamline Operations to Reduce Downtime
- Increase Throughput and Productivity

Benefits

- Minimize Production Disruptions and Maintenance Expenses
- Maximize Equipment Effectiveness for Improved ROI



Efficiency Improvement Strategies

- Optimize Resource Utilization and Process Efficiency
- Reduce Waste, Energy Consumption, and Operating Costs

Benefits

- Decrease Raw Material Usage, Energy Costs, and Labor Expenses
- Directly Improve Financial Performance and Competitiveness



Debottlenecking Studies

- Identify Constraints and Optimize System Performance
- Increase Production Capacity and Operational Flexibility

Benefits

- Boost Revenue Potential and Asset Utilization
- Strengthen Financial Performance and Market Competitiveness



QUALITY ASSURANCE AND SAFETY

- Implement Rigorous Quality Control Measures Throughout Project Lifecycle
- Ensure Adherence to Industry Standards and Client Specifications
- Safety Compliance and Risk Management
- Prioritize Safety Protocols and Procedures to Protect Personnel and Assets
- Conduct Regular Safety Audits and Training Programs to Mitigate Risks

Benefits

- Minimize Rework and Defects, Reducing Project Costs and Timelines
- Reduce Incidents, Injuries, and Associated Costs such as Medical Expenses and Legal Fees
- Improve Workforce Morale and Productivity, Resulting in Higher Efficiency and Profitability

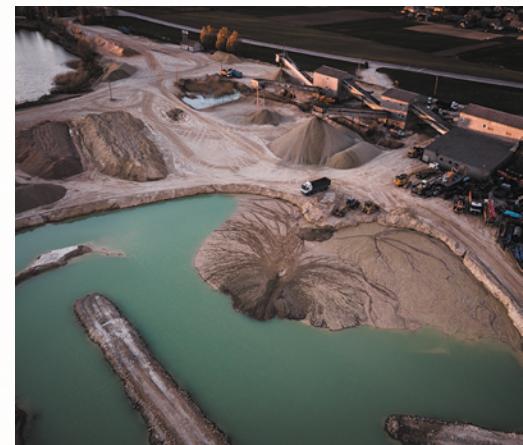


TAILINGS MANAGEMENT

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WHY US?

Expertise: Our team comprises experienced engineers and industry experts dedicated to delivering superior engineering solutions

Innovation: We stay at the forefront of technological advancements to provide innovative and sustainable solutions to our clients

Sustainability: We prioritize environmental stewardship, striving to minimize the ecological footprint of mining operations

Client-Centric Approach: We work closely with our clients to understand their unique challenges and tailor our solutions to meet their specific requirements

Quality Assurance: Our commitment to quality ensures that our engineering solutions meet the highest standards of performance and reliability

CONTACT US

Ready to optimize your Mineral beneficiation/ Raw Material Handling plant? Get in touch with us today to discuss your project requirements and discover how Somnium Management Consulting Pvt. Ltd can help you achieve your goals.





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