

Shah's Industrial Trading Engineering Consultancy & HR Development

Sitech International



*We Care
Human, Land, Water & Air*

www.sitechinternational.com

Water Management

• Drinking Water Services

- Feasibility and designing of different scale plants
- Fabrication, Installation, Erection & Commissioning of Small to Large size plants
- Assessment of Physical, physio-chemical, chemical & Microbiological parameters
- Independent monitoring of drinking water treatment plants in terms of the dosage and efficacy of corrosion protection measures
- Sampling, Monitoring and Evaluation of analysis according to the Drinking Water Ordinance

• Ground and Surface water Services

- Ground Water Modeling
- Hydrological Modeling
- Hydraulic Modeling
- Irrigation / Drainage Modeling
- Coastal Hydrodynamic Modeling
- Computational Fluid dynamic (CFD) Modeling
- Installation of Tube Wells

• Waste Water Services

- Analysis of waste Water and advice when limit exceeds
- Selection of Equipment and processes
- Suggestions for change in operational parameters and Identification of potential savings

without compromising environmental limits

- Waste treatment plants for small to medium facilities
- Treatment technologies for “Produced water”

• Industrial Water Treatment

- Determining the requirement for Cooling water, Process Water, Chilled water and heated water
- Designing Water distribution system and upgrading PFD's & PID's
- Corrosion inhibition for distribution system
- Selection for Equipment and Monitoring instruments
- Storages Tanks design, Fabrication and Installation

Human Resource Management

• Organization Development

- Development of Training Needs
- Improving Safety Culture
- ISO & OHSAS preparation
- Target Orientation
- Developing Performance Management System

• Leadership & Management Training

- Determining Resource within Resource
- Project Management & Planning
- Preparing KPI's
- Finance for Non-Finance Managers
- Preparation of Budgets, CAPEX & OPEX

- **Technical Auditing**

- Monitoring & Evaluation of projects
- Performing Activity as Owners Engineer
- Technical Audit before a third party investigation
- Risk Analysis & Accident Reports
- Preparation of PC-1

- **Tailored Technical Lectures**

- Community Skill Development Programs
- Practical Technical Trainings on different Simulators
- Practical demonstrations on existing plants
- Technical & Financial Lectures

Clean Air Management

- **Air Pollution Control Measures**

- Identifying and evaluating air emission control system technologies
- Design, and Installation support for air pollution control Equipment
- Data Assessment and operational suggestions

- **NBC Protection**

- Facility Design and selection of equipment
- Blast & Air Tight/Gas Tight protection
- Over pressurization & HVAC accessories

- **HVAC Solutions**

- Offshore, Marine and Oil & Gas Facilities
- Energy efficient & Air borne pollution free, Commercial Kitchen ventilation systems
- Air Filtration Systems
- Refurbishment for HVAC

Land Management

- **Soil and Irrigation**

- Feasibility Studies
- Designing and Installation for drip irrigation
- Determining Water and Fertilizer needs
- Fulfilling Training Needs
- Soil Testing and Conditioning

- **Solid Waste Management**

- Feasibility Studies for Environmental Impact assessments
- Consultancy for Design of Landfills
- Waste to heat/Energy Equipment
- Design, Fabrication and Installation of Composting Chambers
- O&M of facilities
- Solid Waste handling Equipment

- **Farm Development**

- Development of Recreational Farms in the vicinity of Cities
- Development of Cattle / Sheep and poultry facility
- Operational Training Needs
- Small scale composting

Industrial Trading:

Right from a Locknut to the industrial equipment, Sitech International fulfils the requirement of their client in Selection, Procurement, Installation, Erection, Commissioning and Training for a reliable and economical solution with the help of their foreign principals in Europe and Far East.

Engineering Consultancy

From feasibility to turning the dream into reality, Sitech International assists their client in process design and fabrication for small and medium establishments. With main focus on Water, Waste water, Power and Environmental issues, this is accomplished with the support of reputed Local and foreign consultants. As a committed partner in the field of environmental engineering, we help our customers to find a reasonable balance between economic and environmental interests

Human Resource Development

Tailored Training activities to suit individual companies need. Organization development and Managers training to simple technical lectures, is conducted through highly proficient professionals. We also perform head hunting to satisfy our clients with best O&M persons. Through Independent Monitoring & Evaluation for a sustainable progress, we help our client in highlighting and regenerating hidden and positive resources within their resource. Finding means for enhancing O&M efficiency and safety. Technical audit before a third party investigation. Risk analysis and accident reports. Preparing team for ISO and OHSAS certification

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