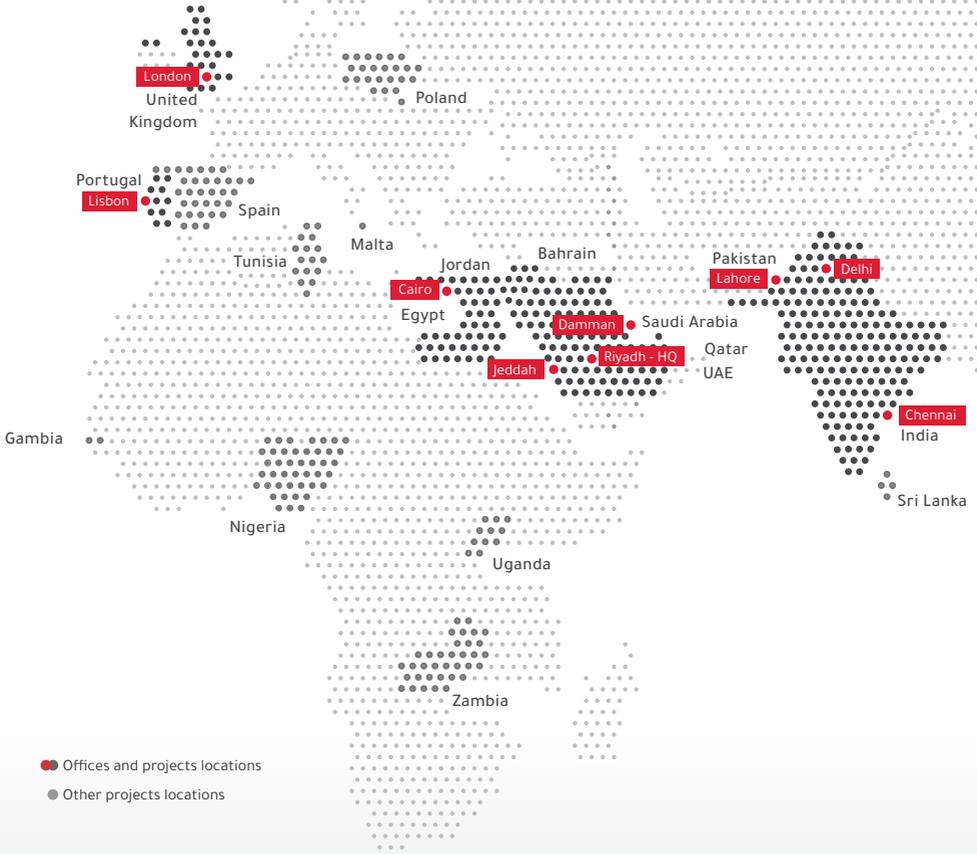


Global Presence





King Salman Bin Abdul Aziz Specialized Hospital
Lusaka, Zambia



Punjab Agriculture, Food and Drug Authority
Lahore, Pakistan

For further details write to us on dar@dar-engineering.com

 DarEngineeringConsultancy  darengineering  DarEngineering

DAR

Innovative Designs. Visionary Approach



The MASAR Project - Makkah, Saudi Arabia
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About Us

DAR provides tailor-made solutions to clients on projects that impact human lives and communities positively. Every project we undertake presents us a unique opportunity to implement our skillset and respond to the needs of people and environment. Our client-focused approach, unwavering commitment to quality, and ability to be agile make us the preferred partner on projects.

1,000

Engineering and
Design Professionals

20

Languages

19

Countries

10

Nationalities



Specialized Medical Center Hospital II
Riyadh, Saudi Arabia

Segments

Architecture



Healthcare



Hospitality



Education



Commercial
and Real Estate



Civic and
Culture



Urban and Master
Planning

Engineering



T and D



Power System
Studies



Infrastructure



Renewables



Power
Generation



Plants and
Industries

Specialty Services



Acoustics



Facade
Design



Energy and
Sustainability



Specialist
Lighting Design



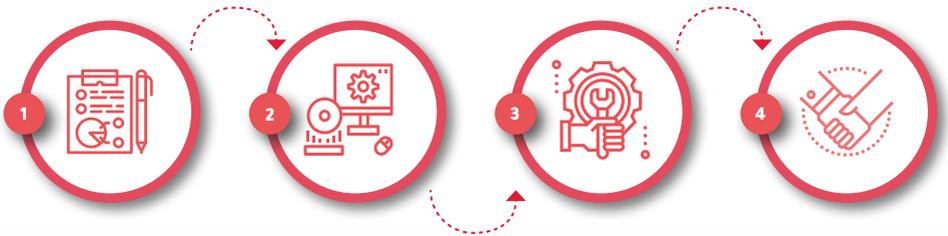
Traffic Impact
Assessment



Cost
Consultancy

Partner from Inception to Handover

DAR offers a wide range of consultancy services to utilities, government entities, industries and developers covering complete project life cycle.



Data Collection and Validation

- > Site Evaluation and Selection
- > Technology and Equipment Evaluation
- > Studies and Simulations
- > Feasibility Studies
- > Preliminary Plot Plan Development
- > Concept Design and Tender Package
- > Cost and Schedule Models
- > Review of Regulations
- > Permits, Code and Environmental Compliance

Design and Engineering

- > Basic, Preliminary and Detailed Design in all Engineering Disciplines
- > Facility System Integration
- > Construction Stage Services
- > Building Information Modeling
- > Permits, Code and Environmental Compliance
- > Value Engineering and Cost Optimization
- > Early Package Development

Construction Stage

- > Project Management
- > Commercial Management
- > Design Management
- > Construction Management
- > Construction Supervision
- > Start-Up and Commissioning
- > As-built Documentation
- > Warranty Management
- > Technical Staffing

Close-out

- > Performance Testing
- > Handover

General Capabilities

ARCHITECTURE

- > Architectural Design
- > Master Planning
- > Urban Planning
- > Landscape Design
- > Interior Design
- > Medical and Equipment Planning
- > Life and Safety
- > Wayfinding and Signage
- > Graphics and Communications Design
- > 3D Visualization and Animatronics
- > Design for Fabrication
- > BOM and Cost Estimation
- > Drafting, BIM and Parametric Design

MECHANICAL AND PIPING

- > Piping Systems Design
- > Piping Stress Analysis
- > Pipe Support Engineering
- > Pipe Layouts Including Isometrics
- > Static Equipment Design (Vessels, Tanks, Etc.)
- > Rotary Equipment Specifications
- > Hazardous Area Classification
- > Packaged Systems Specifications
- > Specifications for Pipes, Valves
- > Detailed Engineering Drawings
- > Layout Design (Includes Plot Plan, Plant And Building General Arrangements, Equipment Layout)
- > Equipment Test Procedures
- > Building Services Design (HVAC, PL, FF)
- > BOM and Cost Estimation
- > Drafting and 3D Modeling

CIVIL AND STRUCTURE SOLUTIONS

- > Site Infrastructure
- > Roads, Bridges and Foundations
- > Steel and Concrete Building
- > Wet and Dry Structures
- > Tank Steel Structural Design and Foundation
- > Rotary and Static Equipment Foundation Design
- > Pipe Racks and Cross Over Bridges Structure and Foundation
- > Crane and Hoist Structure Design
- > BOQ, MTO and Cost Estimation
- > Construction Sequence and Method of Statements
- > Site support and Reply to Technical Queries
- > Risk assessment and Long Lead Item Plan

RENEWABLE ENERGY

- > Solar PV Plant Design
- > Rooftop PV Design
- > Car Parking PV System
- > Concentrated Solar Power Plant Design
- > Wind Farm Design
- > Waste to Energy Design
- > Power Evacuation Studies for DER
- > BOM and Cost Estimation

BUILDING SERVICE (MEP)

- > HVAC
- > Plumbing Design
- > Sewer System Design
- > Fire Protection
- > Electrical - Power
- > Electrical - Low Current
- > Building Management Systems
- > Medical Gases
- > BOM and Cost Estimation
- > Drafting and 3D Modeling

PROCESS ENGINEERING

- > Concept Development
- > Feasibility Study
- > Due Diligence Study
- > Detailed Project Report
- > Process Flow Diagram
- > Piping and Instrumentation Diagram
- > Material Balance
- > Mass and Energy Balance
- > Utility Diagrams
- > Process Simulation
- > Sizing and Selection of Equipment
- > Process Description
- > Material Compatibility / Corrosion Engineering
- > Process Safety and HAZOP Studies
- > Utility System Evaluation
- > Technical Specification and Data Sheets
- > Value Engineering
- > Control Philosophy
- > BOM/Material take-offs
- > MTO and Specifications

ELECTRICAL SOLUTIONS

- > Electrical Power System Studies
- > Electrical Primary System Design
- > Control and Protection System Design
- > Lv/Mv Distribution System Design
- > Overhead Transmission Line Design
- > Underground Cable Design
- > BOM and Cost Estimation
- > Drafting and 3D Modeling

DATA AND TECHNOLOGY SOLUTIONS

- > Field Instrumentation Design
- > BMS System Design
- > SCADA
- > ICT System Design
- > Public Address System Design
- > Electronic Security System Design
- > Telecommunication Systems
- > BOM and Cost Estimation
- > Drafting and 3D Modeling