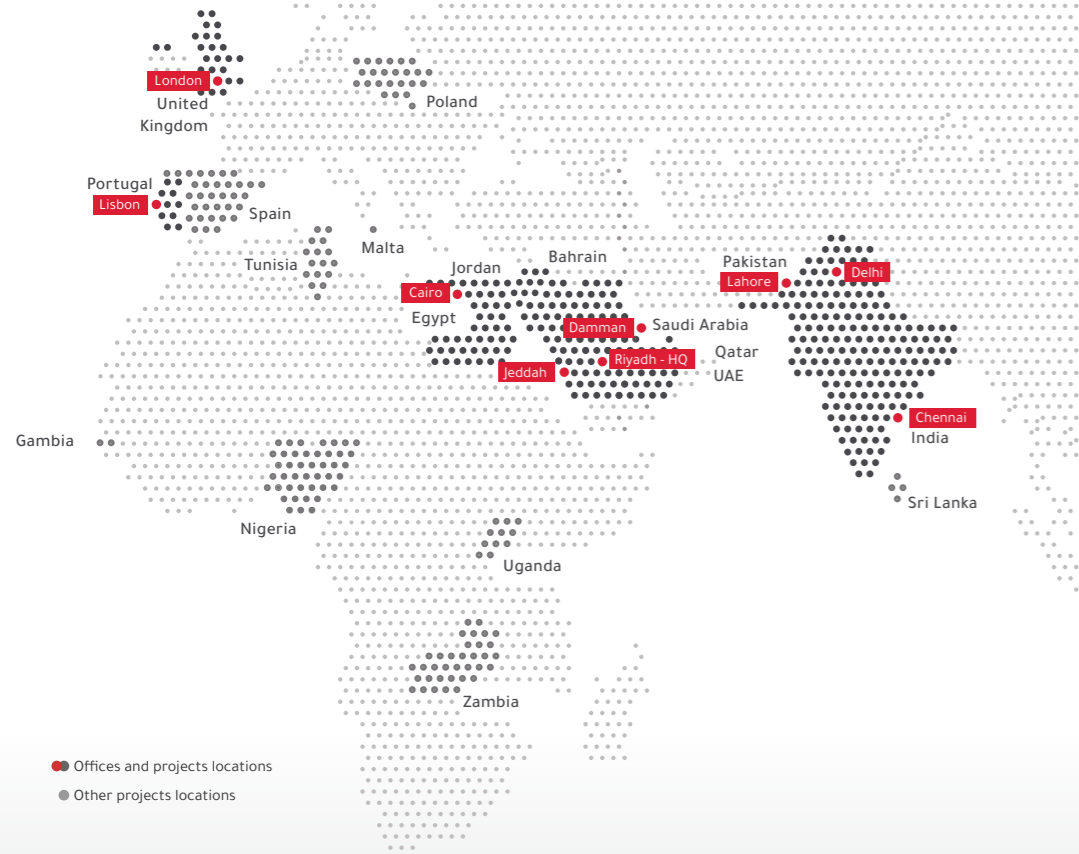


# Global Presence



For further details write to us on [dar@dar-engineering.com](mailto:dar@dar-engineering.com)  
 f DarEngineeringConsultancy    in darengineering    t DarEngineering

# DAR

Innovative Designs. Visionary Approach



# 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**

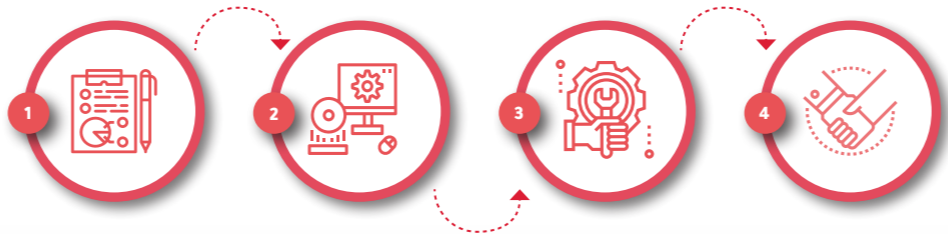
- T and D
- Power System Studies
- Infrastructure
- Renewables
- Power Generation
- Plants and Industries

**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.



- |   |  |  |   |
|---|--|--|---|
| <p><b>Data Collection and Validation</b></p> <ul style="list-style-type: none"> <li>&gt; Site Evaluation and Selection</li> <li>&gt; Technology and Equipment Evaluation</li> <li>&gt; Studies and Simulations</li> <li>&gt; Feasibility Studies</li> <li>&gt; Preliminary Plot Plan Development</li> <li>&gt; Concept Design and Tender Package</li> <li>&gt; Cost and Schedule Models</li> <li>&gt; Review of Regulations</li> <li>&gt; Permits, Code and Environmental Compliance</li> </ul> | <p><b>Design and Engineering</b></p> <ul style="list-style-type: none"> <li>&gt; Basic, Preliminary and Detailed Design in all Engineering Disciplines</li> <li>&gt; Facility System Integration</li> <li>&gt; Construction Stage Services</li> <li>&gt; Building Information Modeling</li> <li>&gt; Permits, Code and Environmental Compliance</li> <li>&gt; Value Engineering and Cost Optimization</li> <li>&gt; Early Package Development</li> </ul> | <p><b>Construction Stage</b></p> <ul style="list-style-type: none"> <li>&gt; Project Management</li> <li>&gt; Commercial Management</li> <li>&gt; Design Management</li> <li>&gt; Construction Management</li> <li>&gt; Construction Supervision</li> <li>&gt; Start-Up and Commissioning</li> <li>&gt; As-built Documentation</li> <li>&gt; Warranty Management</li> <li>&gt; Technical Staffing</li> </ul> | <p><b>Close-out</b></p> <ul style="list-style-type: none"> <li>&gt; Performance Testing</li> <li>&gt; Handover</li> </ul> |
|---|--|--|---|

# General Capabilities

- |   |  |   |
|---|--|---|
| <p><b>ARCHITECTURE</b></p> <ul style="list-style-type: none"> <li>&gt; Architectural Design</li> <li>&gt; Master Planning</li> <li>&gt; Urban Planning</li> <li>&gt; Landscape Design</li> <li>&gt; Interior Design</li> <li>&gt; Medical and Equipment Planning</li> <li>&gt; Life and Safety</li> <li>&gt; Wayfinding and Signage</li> <li>&gt; Graphics and Communications Design</li> <li>&gt; 3D Visualization and Animatronics</li> <li>&gt; Design for Fabrication</li> <li>&gt; BOM and Cost Estimation</li> <li>&gt; Drafting, BIM and Parametric Design</li> </ul>  | <p><b>CIVIL AND STRUCTURE SOLUTIONS</b></p> <ul style="list-style-type: none"> <li>&gt; Site Infrastructure</li> <li>&gt; Roads, Bridges and Foundations</li> <li>&gt; Steel and Concrete Building</li> <li>&gt; Wet and Dry Structures</li> <li>&gt; Tank Steel Structural Design and Foundation</li> <li>&gt; Rotary and Static Equipment Foundation Design</li> <li>&gt; Pipe Racks and Cross Over Bridges Structure and Foundation</li> <li>&gt; Crane and Hoist Structure Design</li> <li>&gt; BOQ, MTO and Cost Estimation</li> <li>&gt; Construction Sequence and Method of Statements</li> <li>&gt; Site support and Reply to Technical Queries</li> <li>&gt; Risk assessment and Long Lead Item Plan</li> </ul> | <p><b>PROCESS ENGINEERING</b></p> <ul style="list-style-type: none"> <li>&gt; Concept Development</li> <li>&gt; Feasibility Study</li> <li>&gt; Due Diligence Study</li> <li>&gt; Detailed Project Report</li> <li>&gt; Process Flow Diagram</li> <li>&gt; Piping and Instrumentation Diagram</li> <li>&gt; Material Balance</li> <li>&gt; Mass and Energy Balance</li> <li>&gt; Utility Diagrams</li> <li>&gt; Process Simulation</li> <li>&gt; Sizing and Selection of Equipment</li> <li>&gt; Process Description</li> <li>&gt; Material Compatibility / Corrosion Engineering</li> <li>&gt; Process Safety and HAZOP Studies</li> <li>&gt; Utility System Evaluation</li> <li>&gt; Technical Specification and Data Sheets</li> <li>&gt; Value Engineering</li> </ul> |
| <p><b>MECHANICAL AND PIPING</b></p> <ul style="list-style-type: none"> <li>&gt; Piping Systems Design</li> <li>&gt; Piping Stress Analysis</li> <li>&gt; Pipe Support Engineering</li> <li>&gt; Pipe Layouts Including Isometrics</li> <li>&gt; Static Equipment Design (Vessels, Tanks, Etc.)</li> <li>&gt; Rotary Equipment Specifications</li> <li>&gt; Hazardous Area Classification</li> <li>&gt; Packaged Systems Specifications</li> <li>&gt; Specifications for Pipes, Valves</li> <li>&gt; Detailed Engineering Drawings</li> <li>&gt; Layout Design (Includes Plot Plan, Plant And Building General Arrangements, Equipment Layout)</li> <li>&gt; Equipment Test Procedures</li> <li>&gt; Building Services Design (HVAC, PL, FF)</li> <li>&gt; BOM and Cost Estimation</li> <li>&gt; Drafting and 3D Modeling</li> </ul> | <p><b>RENEWABLE ENERGY</b></p> <ul style="list-style-type: none"> <li>&gt; Solar PV Plant Design</li> <li>&gt; Rooftop PV Design</li> <li>&gt; Car Parking PV System</li> <li>&gt; Concentrated Solar Power Plant Design</li> <li>&gt; Wind Farm Design</li> <li>&gt; Waste to Energy Design</li> <li>&gt; Power Evacuation Studies for DER</li> <li>&gt; BOM and Cost Estimation</li> </ul>   | <p><b>ELECTRICAL SOLUTIONS</b></p> <ul style="list-style-type: none"> <li>&gt; Electrical Power System Studies</li> <li>&gt; Electrical Primary System Design</li> <li>&gt; Control and Protection System Design</li> <li>&gt; Lv/Mv Distribution System Design</li> <li>&gt; Overhead Transmission Line Design</li> <li>&gt; Underground Cable Design</li> <li>&gt; BOM and Cost Estimation</li> <li>&gt; Drafting and 3D Modeling</li> </ul>  |
|   | <p><b>BUILDING SERVICE (MEP)</b></p> <ul style="list-style-type: none"> <li>&gt; HVAC</li> <li>&gt; Plumbing Design</li> <li>&gt; Sewer System Design</li> <li>&gt; Fire Protection</li> <li>&gt; Electrical - Power</li> <li>&gt; Electrical - Low Current</li> <li>&gt; Building Management Systems</li> <li>&gt; Medical Gases</li> <li>&gt; BOM and Cost Estimation</li> <li>&gt; Drafting and 3D Modeling</li> </ul>  | <p><b>DATA AND TECHNOLOGY SOLUTIONS</b></p> <ul style="list-style-type: none"> <li>&gt; Field Instrumentation Design</li> <li>&gt; BMS System Design</li> <li>&gt; SCADA</li> <li>&gt; ICT System Design</li> <li>&gt; Public Address System Design</li> <li>&gt; Electronic Security System Design</li> <li>&gt; Telecommunication Systems</li> <li>&gt; BOM and Cost Estimation</li> <li>&gt; Drafting and 3D Modeling</li> </ul>   |