DESERT IRON
BUILDING A STRONGER TOMORROW
STRUCTURAL STEEL | ENGINEERING | CONSTRUCTION

KINGDOM OF SAUDI ARABIA
Dammam Headquarters

ENGINEERING • FABRICATION • ERECTION • TURNKEY CONTRACTING

CORPORATE CAPABILITY PROFILE

STRUCTURAL STEEL • PRE-ENGINEERED BUILDINGS • INDUSTRIAL PIPING • CIVIL WORKS • BUILDING ENVELOPE

25+ YRS
GCC EXECUTIVE INDUSTRY LEGACY

SBC 201/301
RIGOROUS SAUDI CODE COMPLIANCE

TURNKEY
INTEGRATED STEEL & CIVIL EXECUTION

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BUILDING A STRONGER TOMORROW
PRACTICAL ENGINEERING • RESPONSIVE EXECUTION

EXECUTIVE SUMMARY

Who We Are

Saudi presence. GCC experience. Integrated industrial capability delivering coordinated structural steel and multi-discipline construction solutions across the Kingdom.

Engineering Excellence Across Saudi Arabia

Desert Iron is a Saudi Arabian engineering, structural steel, and construction company based in Dammam, serving industrial, commercial, and infrastructure requirements across the Kingdom. Our capabilities cover heavy structural steel fabrication and erection, pre-engineered buildings (PEB), industrial plant construction, pipeline and industrial piping networks, roofing and cladding systems, civil foundations, fit-out works, and associated metal fabrications.

Practical Engineering & Coordination

Led by executive management with more than **25 years of GCC industry experience**, Desert Iron combines practical project knowledge, responsive coordination, and a deep understanding of regional construction standards. We bridge the gap between engineering drawings and site realities to eliminate interface risks.

Reliable • Technically Sound • Competitive

From initial enquiry, technical takeoff, and engineering coordination through to fabrication, surface treatment, site installation, and project handover, we focus on clear scope definition, practical engineering solutions, transparent communication, and dependable customer support.



OPERATING BASE	MARKET COVERAGE	MANAGEMENT	CORE FOCUS
Dammam	**Saudi Arabia**	**25+ Years**	**Industrial**
Eastern Province, KSA	Kingdom-Wide Mobilization	GCC Regional Exposure	Steel, PEB, Piping & Civil

COMPREHENSIVE PORTFOLIO

What We Deliver

A balanced, multi-disciplinary portfolio across structural steel, pre-engineered buildings, industrial piping, civil foundations, and building-envelope systems.

01 Structural Steel Fabrication & Erection

- Heavy shop fabrication & precision on-site erection
- Columns, built-up rafters, portal frames & roof trusses
- Equipment platforms, mezzanines & pipe racks
- Modifications, retrofits & miscellaneous metal fabrications

AISC 360 | AWS D1.1 | SBC 201 | Sa 2.5 Blasting

02 PEB & Pre-Engineered Steel Buildings

- Industrial warehouses, workshops & logistics distribution centers
- Manufacturing plants & heavy utility structures
- Primary rigid frames, Z & C purlins, roof & wall girts
- Integrated crane runway beams & high-clearance mezzanine floors

MBMA Standards | Clear-Span Geometry | High-Tensile Steel

03 Industrial Construction & Turnkey Execution

- Synchronized steel, civil, and architectural site execution
- Industrial site supervision & safety-compliant rigging crews
- Approved drawing, BOQ, and specification compliance
- Quality-focused project coordination & milestone scheduling

Turnkey Delivery | HSE Compliant | QA/QC Traceability

04 Pipeline & Industrial Process Piping

- Carbon steel and stainless steel pipe spool fabrication
- Field routing, fit-up, certified welding & bolt-up installation
- Modular pipe racks, sleepers, guides, clamps & hangers
- Hydrostatic pressure testing, NDT coordination & tie-ins

ASME B31.3 | API Specs | WPS/PQR Certified

05 Roofing, Cladding & Building Envelope

- Polyurethane (PU/PIR) & Rockwool insulated sandwich panels
- Single-skin corrugated roof and wall cladding profiles
- Standing seam roofing systems for critical weather protection
- Architectural flashings, gutters, downspouts & skylights

50mm-200mm Panels | Thermal Efficiency | Weather-Tight

06 Civil Foundations & Specialist Works

- Reinforced concrete foundations, footings & equipment pedestals
- Heavy industrial flooring, grade slabs & containment basins
- Structural fireproofing (intumescent & cementitious systems)
- Architectural fit-out, stairs, handrails & custom metalwork

ACI 318 | SBC 301 | Fireproofing Support

INTEGRATED INDUSTRIAL SOLUTIONS

Steel + Piping + Building Envelope

One coordinated commercial and technical interface for multi-discipline requirements, eliminating cross-contractor conflicts and project delays.

STRUCTURAL STEEL 01

- ✓ Heavy shop fabrication
- ✓ Field rigging & crane erection
- ✓ Portal frames & roof trusses
- ✓ Platforms & access walkways
- ✓ Structural strengthening & retrofits

PIPELINE / PIPING 02

- ✓ Process & utility piping networks
- ✓ Spool fabrication to isometrics
- ✓ Engineered pipe supports
- ✓ On-site routing & testing
- ✓ Associated mechanical works

BUILDING ENVELOPE 03

- ✓ Insulated sandwich panels (PIR/PUR)
- ✓ Profiled roof & wall sheeting
- ✓ Standing seam roof systems
- ✓ Custom trims & flashings
- ✓ Skylights & ventilation accessories

EXECUTION PRINCIPLE: BUILD TO THE APPROVED REQUIREMENT

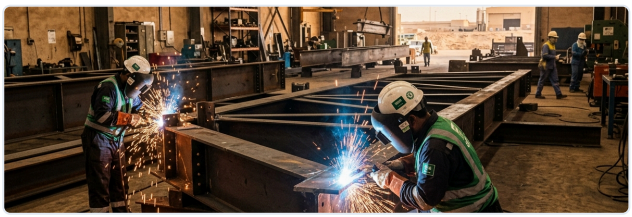
Pipeline, piping, structural steel, and building envelope works are executed in strict accordance with approved project engineering drawings, client specifications, and applicable Saudi Building Code standards. Scope, weld procedures, materials, and field methodologies are systematically aligned with awarded project requirements prior to fabrication.

TECHNICAL FOUNDATION

3D Detailing & Engineering Coordination

We employ Tekla Structures and BIM modeling to generate precise shop fabrication drawings, connection design verifications, and CNC-ready files. Early 3D clash detection ensures accurate foundation anchor bolt placement and zero re-work during site erection.

Tekla 3D Detailing | BIM Clash Detection | SBC 201/301 | WPS / PQR Records



ZERO-COMPROMISE STANDARDS

Quality Assurance & HSE Excellence

Meeting the rigorous QA/QC inspection expectations and safety protocols required by industrial operators, government entities, and Tier-1 EPC contractors in Saudi Arabia.

01

Raw Materials

100% Mill Test Certificates (MTC) verification for all steel plates, sections, and fasteners before cutting.

02

Weld Inspection

Qualified welders (AWS D1.1 / ASME IX), fit-up checks, visual testing, and certified WPS/PQR procedures.

03

NDT & Testing

Magnetic Particle (MPI), Ultrasonic (UT), Radiography (RT) coordination, and pressure testing for piping.

04

Surface & Coating

Sa 2.5 abrasive blasting, environmental logs, Dry Film Thickness (DFT) testing, and fireproofing compliance.

Domain	Governing Standard / Code	Application & Scope
Building Design	SBC 201 & SBC 301	Saudi Building Code compliance for architectural & structural structural frames
Steel Structures	AISC 360 / AISC 341	Specification for structural steel buildings & seismic load framing
Welding Quality	AWS D1.1 / AWS D1.3	Structural welding code for heavy steel framing & cold-formed sheet metal
Industrial Piping	ASME B31.3 / API 1104	Process piping fabrication, routing, pressure boundaries & inspection
Civil & Concrete	ACI 318 / ASTM Specs	Reinforced concrete foundations, pedestals, and structural grade slabs

Zero-Harm HSE Culture & Field Rigging Safety

Safety is embedded into every erection sequence. All crane lifts, scaffolding, working-at-height operations, and welding procedures are guided by daily toolbox talks, certified rigging personnel, and proactive risk assessments.

HSE ZERO HARM

STRATEGIC MARKET POSITIONING

Industries We Serve

Positioned in the Eastern Province to support industrial complexes, logistics corridors, and infrastructure developments across the Kingdom of Saudi Arabia.

- Oil, Gas & Petrochemical
- Industrial & Manufacturing
- Warehousing & Logistics
- Energy, Power & Utilities
- Commercial Developments
- Infrastructure & Mining
- Cold Storage & Specialized Temperature-Controlled Facilities

GROUP EXPERIENCE — QATAR & GCC TRACK RECORD

Saudi Presence. GCC Project Perspective.

Desert Iron benefits from senior executive management with more than **25 years of GCC industry experience**. Our associated Qatar operation, **Safeera Trading, Contracting & Services**, established in 2012 under the same ownership, provides proven group depth across structural steel fabrication, design-build commercial buildings, pre-engineered warehouses, roofing, cladding, civil foundations, and industrial facility maintenance.



STRUCTURAL STEEL
Industrial Plant Framing



PEB SYSTEMS
Logistics Warehouse Hub



ENVELOPE
Insulated Panel Facades



CIVIL WORKS
Equipment Foundations

STRATEGIC VALUE PROPOSITION

Why Desert Iron

Built around technical clarity, commercial responsiveness, and coordinated field execution to deliver maximum value to developers and main contractors.

1. **Engineering-Focused**
   We analyze drawings, structural loads, and specifications thoroughly before proposing optimized technical solutions.

2. **Integrated Capabilities**
   Single-source responsibility for structural steel, PEB, piping, cladding, and civil foundations under one contract.

3. **GCC Management Legacy**
   Executive leadership brings over 25 years of hands-on structural steel and contracting experience across the Arabian Gulf.

4. **Responsive Support**
   Fast quotation turnaround, prompt technical clarification, and transparent BOQ breakdown for commercial accuracy.

5. **Quality & Safety (QA/HSE)**
   Zero-compromise execution strictly aligned with approved submittals, Saudi Building Codes, and industrial HSE rules.

6. **Strategic Dammam Base**
   Rapid mobilization to Dammam 2nd & 3rd Industrial Cities, Jubail, Ras Al Khair, Khobar, and across Saudi Arabia.

OUR PROJECT APPROACH — 5-PHASE LIFECYCLE

STRUCTURED • PREDICTABLE • ON TIME

1. **RFQ / BOQ REVIEW**
   Scope audit, material takeoff & technical review
2. **TECHNICAL DETAILING**
   Connection design, Tekla BIM & value engineering
3. **COMMERCIAL PROPOSAL**
   Transparent pricing, schedule & milestone agreement
4. **SHOP & SITE EXECUTION**
   Precision fabrication, coating & safe crane erection
5. **QA/QC HANDOVER**
   NDT dossiers, as-built drawings & client sign-off

— PARTNER WITH DESERT IRON

LET'S BUILD TOGETHER

SEND US YOUR RFQ / BOQ / DRAWINGS FOR A RAPID COMMERCIAL & TECHNICAL PROPOSAL

WE INVITE INQUIRIES & TENDERS FOR:

- ✓ Structural Steel Framing
- ✓ Pre-Engineered Buildings (PEB)
- ✓ Industrial Process Piping
- ✓ Insulated Sandwich Panels
- ✓ Turnkey Civil Foundations
- ✓ Heavy Pipe Racks & Platforms

REGISTERED HEADQUARTERS
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