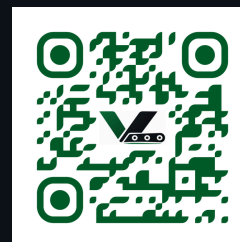




**CUSTOMISED METAL FABRICATION SERVICES CATALOGUE
2026**



www.vulcanindustries.co

OUR SERVICES

Vulcan Metal & Engineering Industries Ltd offers comprehensive metal fabrication and engineering solutions across 10 specialized service divisions, bringing UAE-standard precision to East Africa.

Structural Steel Solutions

We design and fabricate custom stainless steel and mild steel staircases for commercial and industrial applications, engineered for safety and durability. Our mezzanine structures maximize vertical space in warehouses and facilities, while our platform walkways provide safe elevated access with anti-slip surfaces and compliant handrails. We also manufacture robust solar mounting structures designed to withstand environmental stresses and optimize panel positioning.

Industrial Infrastructure

Our industrial fences and mesh panels deliver perimeter security and site segregation with corrosion-resistant materials built to last.

Precision Engineering

We offer bespoke fastener manufacturing for specialized applications where standard hardware won't suffice. Our reverse engineering service recreates worn or obsolete machinery parts using 3D scanning, CAD modeling, and material analysis - restoring legacy equipment to full operation when original drawings are unavailable.

Custom Fabrication

Through our made-to-drawing services, we transform your technical specifications into precision-manufactured components, whether single prototypes or production runs. Our certified welding services cover MIG, TIG, and arc welding across various metals and thicknesses, meeting international standards for structural and pressure applications.

Specialized Products

We design and produce customized handles for industrial machinery, commercial doors, and architectural applications, combining ergonomics with durability.

Customised Metal Furniture

We design and fabricate bespoke metal furniture for residential, commercial, and industrial spaces - from sleek steel tables and shelving units to heavy-duty workshop benches and decorative pieces, custom-built to your exact specifications.

Operating from our fully-equipped Kampala workshop, we provide a one-stop metal and engineering shop - from single machined parts to complete structural steel packages. Every job is measured, drawn, and delivered to UAE client tolerances, offering industrial-group capacity with local, founder-led delivery on the ground.

TABLE OF CONTENTS

01	Stainless Steel Staircases	5
02	Mezzanine Structures	6
03	Platform Walkways	7
04	Solar Mounting Structures	8
05	Industrial Fences & Mesh Panels	9
06	Reverse Engineering of Machinery Parts	10
07	Made-to-Drawing Services	11
08	Welding Services	12
09	Customised Handles	13
10	Customised Metal Furniture	14



STAINLESS STEEL STAIRCASES

Premium stainless steel staircases engineered for durability and elegance. From industrial spiral staircases to modern architectural designs, we fabricate and install custom solutions for commercial and residential projects.

KEY FEATURES

- Grade 304 & 316 stainless steel
- Custom balustrades & handrails
- Anti-slip treads
- Load-bearing certified designs
- Indoor & outdoor applications





MEZZANINE STRUCTURES

Maximise your vertical space with custom-built mezzanine floors. Designed to support heavy loads while meeting all structural safety standards, ideal for warehouses, factories, and commercial spaces.

KEY FEATURES

- Structural steel framework
- Load capacity up to 500kg/sqm
- Fire-rated options available
- Integrated staircase access
- Modular & expandable designs





PLATFORM WALKWAYS

Safe and robust elevated platform walkways for industrial environments. Our walkways provide secure access to equipment, rooftops, and elevated areas with full compliance to safety regulations.

KEY FEATURES

- Galvanised or stainless steel
- Non-slip grating surfaces
- Handrail & kickplate systems
- Modular bolt-together design
- Compliant with safety standards





SOLAR MOUNTING STRUCTURES

Purpose-built steel mounting frames for solar panel installations. Engineered to withstand extreme weather conditions while providing optimal panel angles for maximum energy generation.

KEY FEATURES

- Hot-dip galvanised steel
- Adjustable tilt angles
- Ground & rooftop mount options
- Wind load engineered
- Corrosion-resistant coatings





INDUSTRIAL FENCES & MESH PANELS

High-security fencing and mesh panel solutions for industrial, commercial, and residential perimeters. Custom heights, gauges, and finishes to meet your specific security requirements.

KEY FEATURES

- Welded mesh & palisade options
- Anti-climb & anti-cut designs
- Powder-coated finishes
- Automated gate integration
- Custom heights up to 3.6m





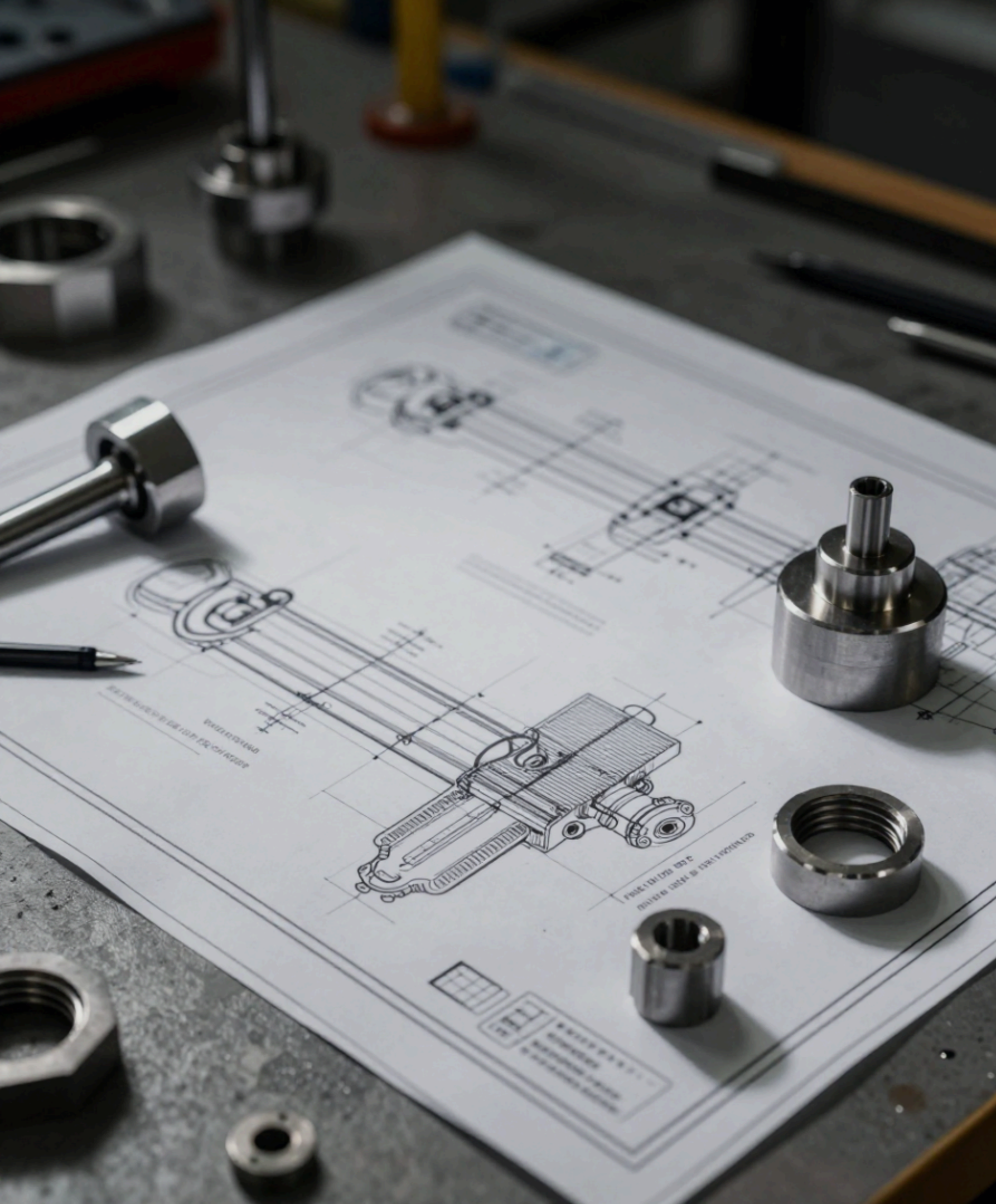
REVERSE ENGINEERING

When original drawings are unavailable, we reverse-engineer worn or obsolete machinery parts. Using precision measurement and CAD modelling, we recreate components to restore equipment to full operation.

KEY FEATURES

- 3D scanning & measurement
- CAD modelling & documentation
- Material analysis & matching
- Single part or batch runs
- Legacy equipment specialists





MADE-TO-DRAWING SERVICES

Bring your technical drawings to life. We manufacture precision components from your CAD files or hand-drawn sketches, delivering parts that meet your exact dimensional and material requirements.

KEY FEATURES

- Work from CAD, PDF or sketches
- CNC milling, turning & grinding
- Tolerances to $\pm 0.01\text{mm}$
- First article inspection reports
- Prototype to production volumes



WELDING SERVICES

Expert welding across all processes and materials. Our coded welders deliver structural, precision, and decorative welds for projects of any scale, from site repairs to full fabrication assemblies.

KEY FEATURES

- MIG, TIG & MMA processes
- Coded welders to BS/EN standards
- Stainless, mild steel & aluminium
- On-site & workshop capability
- Weld procedure specifications





CUSTOMISED HANDLES

Bespoke handle solutions for doors, cabinets, machinery, and industrial equipment. Designed and manufactured to complement your aesthetic while meeting ergonomic and durability requirements.

KEY FEATURES

- Stainless & mild steel options
- Brushed, polished or powder-coated
- Ergonomic design consultation
- Matching sets & hardware
- Commercial & residential projects





CUSTOMISED METAL FURNITURE

We design and fabricate bespoke metal furniture for residential, commercial, and industrial spaces. From sleek steel dining tables and shelving units to heavy-duty workshop benches and decorative pieces, every item is custom-built to your exact specifications.

WHAT WE OFFER

Our Capabilities:

- Steel & iron tables (dining, conference, coffee)
- Industrial shelving & storage units
- Metal bed frames & headboards
- Decorative room dividers & screens
- Workshop & garage workbenches
- Custom outdoor furniture (benches, planters)
- Retail display fixtures
- Powder-coated & brushed finishes



OUR CLIENTS

Targeted solutions for key industry sectors we serve



CONSTRUCTION & REAL ESTATE DEVELOPERS

Commercial building projects, residential complexes, and mixed-use developments requiring structural steel solutions for modern construction.

RELEVANT SERVICES

Our Services for You:

- Stainless steel staircases
- Mezzanine structures
- Platform walkways
- Customised handles
- Industrial fences
- Welding services





INDUSTRIAL & MANUFACTURING FACILITIES

Factories, production plants, and warehouses needing space optimization, safe access solutions, and machinery part recreation for continuous operations.

RELEVANT SERVICES

Our Services for You:

- Platform walkways
- Mezzanine structures
- Reverse engineering
- Bespoke fasteners
- Made-to-drawing parts
- Welding services





SOLAR & RENEWABLE ENERGY SECTOR

Solar farm developers, renewable energy contractors, and off-grid power solution providers requiring robust steel mounting infrastructure engineered for longevity.

RELEVANT SERVICES

Our Services for You:

- Solar mounting structures
- Custom steel frameworks
- Bespoke fasteners
- Welding services
- Made-to-drawing components
- Corrosion-resistant solutions





MINING & EXTRACTION INDUSTRIES

Mining operations, quarries, and processing plants requiring heavy-duty infrastructure, perimeter security, and custom machinery components for harsh environments.

RELEVANT SERVICES

Our Services for You:

- Industrial fences & mesh panels
- Platform walkways
- Reverse engineering
- Bespoke fasteners
- Welding services
- Made-to-drawing parts





LOGISTICS & WAREHOUSING

Distribution centers, cold storage facilities, and freight handling operations needing vertical space optimization, secure perimeters, and durable access solutions.

RELEVANT SERVICES

Our Services for You:

- Mezzanine structures
- Platform walkways
- Industrial fences
- Stainless steel staircases
- Custom handles
- Welding services





HOSPITALITY & COMMERCIAL SPACES

Hotels, resorts, shopping malls, restaurants, and entertainment venues requiring architectural steel features and premium finishes that impress.

RELEVANT SERVICES

Our Services for You:

- Architectural staircases
- Customised handles
- Decorative fencing
- Bespoke metalwork
- Premium welding finishes
- Made-to-drawing features





AGRICULTURAL & AGRO-PROCESSING

Large-scale farms, processing facilities, and agricultural equipment manufacturers needing solar installations, secure perimeters, and custom fabrication.

RELEVANT SERVICES

Our Services for You:

- Solar mounting structures
- Industrial fences & mesh
- Bespoke fasteners
- Platform walkways
- Welding services
- Made-to-drawing parts





GOVERNMENT & INFRASTRUCTURE PROJECTS

Public works departments, municipal infrastructure, and security installations requiring certified structural steel solutions built to last decades.

RELEVANT SERVICES

Our Services for You:

- Industrial fences & barriers
- Platform walkways
- Stainless steel staircases
- Solar mounting structures
- Welding services
- Made-to-drawing components





OIL & GAS / PETROCHEMICAL

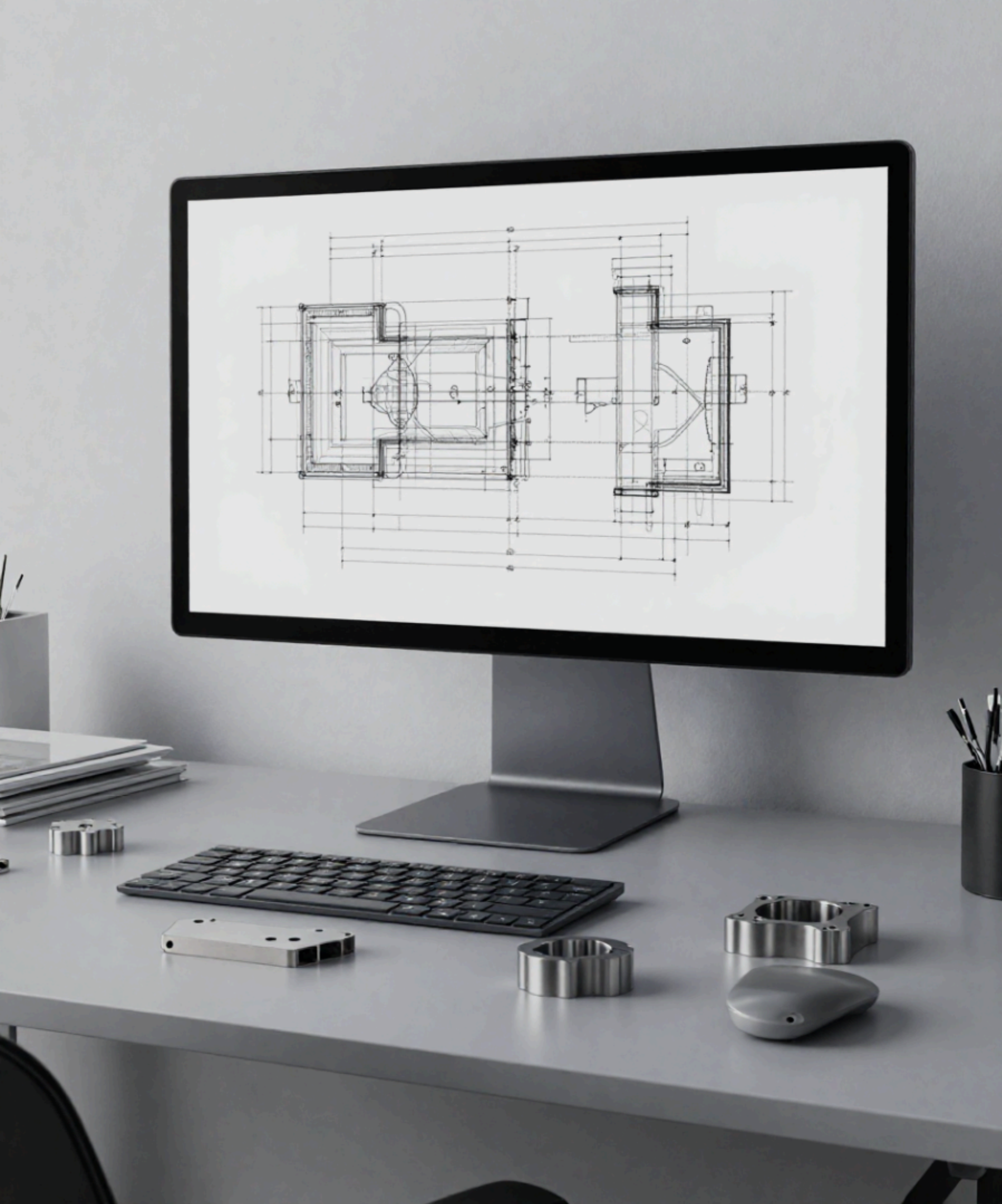
Refineries, storage facilities, and pipeline infrastructure requiring certified welding, structural platforms, and precision-engineered components for critical operations.

RELEVANT SERVICES

Our Services for You:

- Certified welding services
- Platform walkways
- Mezzanine structures
- Bespoke fasteners
- Reverse engineering
- Industrial fencing





ARCHITECTURAL & ENGINEERING FIRM

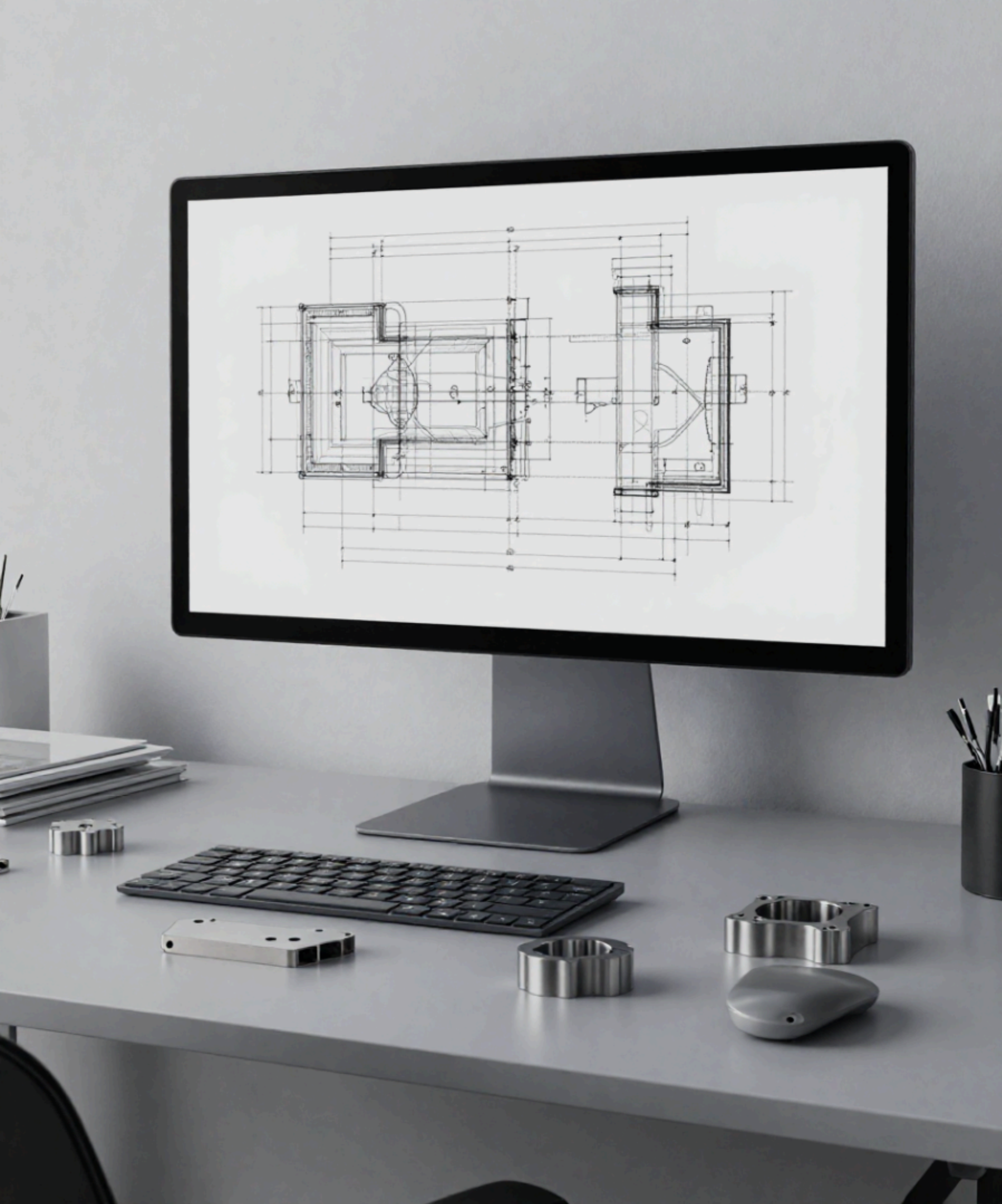
Design consultancies, MEP contractors, and structural engineering firms requiring a reliable fabrication partner for bespoke and precision



RELEVANT SERVICES

Our Services for You:

- Made-to-drawing services
- Bespoke metalwork
- Architectural staircases
- Custom handles
- Reverse engineering
- Precision welding



ARCHITECTURAL & ENGINEERING FIRMS

Design consultancies, MEP contractors, and structural engineering firms requiring a reliable fabrication partner for bespoke and precision projects.

RELEVANT SERVICES

Our Services for You:

- Made-to-drawing services
- Bespoke metalwork
- Architectural staircases
- Custom handles
- Reverse engineering
- Precision welding



CUSTOMISED METAL FURNITURE CLIENTS

Residential homeowners, interior designers, hospitality venues, retail stores, and commercial offices seeking unique, durable, and stylish metal furniture pieces tailored to their exact space and aesthetic requirements.

WHO WE SERVE

Our Clients Include:

- Residential homeowners (custom tables, beds, shelving)
- Interior designers & decorators
- Hotels, restaurants & hospitality venues
- Retail stores & showrooms
- Corporate offices & co-working spaces
- Property developers (furnishing packages)
- Event & exhibition companies

RELEVANT SERVICES

Our Services for You:

- Custom steel & iron furniture design
- Powder-coated & brushed finishes
- Made-to-drawing fabrication
- Architectural metalwork
- Precision welding
- Customised handles & hardware

