

VELTRIXAIR

I N D U S T R I E S

CRANE INSTALLATION AND
STRUCTURAL SUPPORT
SERVICES





Who we are

Veltrixair provides overhead and jib crane assembly, installation, testing, commissioning and repair services for industrial and commercial sites across the GCC. The company supports factories, warehouses, construction areas, and operational facilities that rely on safe lifting systems.

About us

With strong engineering expertise and a safety-driven approach, Veltrixair delivers reliable crane installation solutions that meet international standards and project timelines. Founded by industry professionals, it specializes in end-to-end installation of overhead cranes, ensuring precision, safety, and operational reliability for industrial facilities. It also installs structural steel elements including columns, beams, crane runways and supporting frames required to bring overhead lifting systems into service. It combines hands-on expertise with disciplined project execution to deliver dependable lifting solutions. Veltrixair is committed to safe, compliant, and efficient execution of overhead crane erection projects. The team follows proven installation practices and strict safety standards to ensure long-term performance and customer confidence.



Our core values

Safety

Safety remains the core of every activity, ensuring full compliance with Saudi regulations, client HSE requirements, and ISO 45001 standards. Veltrixair is committed to protecting its workforce, clients, and assets through proactive risk management and safe work practices.

Quality

Consistent service and reliable installation is made sure by adhering to ISO 9001 quality management principles, approved procedures, and continuous improvement throughout delivery.



Overhead Crane Installation Scope

Veltrixair delivers complete crane installation, supporting steel structures, alignment, testing and commissioning, including:

- Site assessment and verification of civil, structural, and access readiness
- Review of approved drawings, load data, method statements, and risk assessments
- Mobilization of manpower, tools, lifting equipment, and safety systems
- Installation of crane runway beams, rails, and steel support and alignment systems
- Installation of crane bridge, end carriages, trolley, hoist, and auxiliary systems
- Erection of steel structures (columns /beams) and crane supporting member
- Electrical installation including festoon systems, conductor bars, panels, and controls
- Load testing, functional testing, and commissioning as per OEM and statutory requirements



Execution steps

Engineering & Planning

- Site surveys, load ratings, structural checks
- Shop drawings, GA layouts, method statements
- Risk assessments and approval support

Civil & Runway Works

- Runway beams, brackets, anchors and rail installation
- Alignment tolerance checks and end-stop installation
- Assembly and installation of structural steel components, ie columns, beams and brackets

Mechanical & Electrical Installation

- Bridge girders, end trucks, hoists and trolleys
- Brakes, gearboxes, reeving and fastener torque checks
- Power feeds, control panels, festoons/conductor bars, limit switches, grounding

Safety Systems Integration

- Overload protection and emergency stop circuits
- Anti-collision systems and safety interlocks
- Warning lights and sirens

Testing & Commissioning

- Travel alignment and operational calibration
- No-load, rated load and overload testing
- Third-party inspection and final certification

Industries we serve

MANUFACTURING AND INDUSTRIAL PLANTS

- Install and commission overhead travelling cranes, including runway alignment and bridge assembly.
- Integrate hoists, trolleys, controls, and power systems with factory infrastructure.
- Conduct functional checks and load-cycle commissioning for production readiness.

WAREHOUSE AND LOGISTICS

- Install bridge cranes to support pallet, bulk, and high-bay material movement.
- Verify runway span, straightness, and control setup for accurate travel.
- Perform static and dynamic load tests ahead of operational handover.

CONSTRUCTION AND INFRASTRUCTURE

- Assemble crane systems in phased and multi-contractor project environments.
- Coordinate interface with civil, structural steel, and MEP works.
- Commission cranes in line with project milestones and site readiness

OIL, GAS AND PETROCHEMICAL

- Install cranes in refineries and process facilities to hazardous-area standards.
- Integrate mechanical systems, power feeds, and protected control wiring.
- Execute certified testing to meet plant operational and safety requirements.

WASTE AND RECYCLING

- Install cranes for scrap, bulk material, and furnace feed handling.
- Deploy high-durability systems with dust- and corrosion-protected assemblies.
- Commission cranes for continuous-duty operation in abrasive conditions

Products we install

VeltrixAir installs single and double-girder cranes, gantry systems, jib cranes, monorails, and workstation cranes, including equipment , tools and resources, certified lifting gear & tools, rental Mobile cranes, Forklifts, scissor lifts, boom trucks , manlift arrangements, calibrated torque tools & alignment equipment, welding machine, electrical testing instrument (megger, multimeter, lasermeter)



GANTRY CRANE



JIB CRANE



WALL MOUNTED JIB CRANE



BRIDGE WORKSTATION CRANE



MOBILE TELESCOPIC CRANE WITH STEEL BEAM



SMARTON



CHAIN HOIST



WIRE ROPE CRANE



LATTICE BOOM CRAWLER

The installations are compatible with equipment supplied by Konecranes, GH, Demag, ABUS, STAHL and leading OEMs.

Safety and Compliance

Safety in Design & Installation

- Emergency stop and protection systems
- Anti-collision for multi-crane bays
- Mechanical and electrical interlocks
- Grounding, earthing and warning systems

Zero-Compromise Testing

- Functional testing of all travel motions
- Safety device validation
- Certified load tests (witnessed if required)



Capabilities and project support

Documentation & Handover

- As-built drawings and calibration records
- Load test and compliance reports
- Method statement for various installation procedures
- Job safety plan
- Risk assessment

Additional Support

- Removal - pre-dismantling inspection and site readiness assessment
- Preparation and approval of the dismantling method statement and lifting plan
- Isolation and lock-out/tag-out (LOTO) of electrical and control systems
- Controlled dismantling of mechanical, electrical, and structural components
- Lowering, handling, packing, and removal of crane components
- Restoration of work-area and safe handover
- Integration with client/EPC schedules
- OEM-agnostic installation and commissioning
- Attend warranty-period inspections and corrective actions with timely troubleshooting
- Technical support for operational issues and upgrades





Why choose us?

Safety-First Execution

- Safety remains the uncompromising focus at work. The crews are trained, certified, and equipped to follow the highest safety protocols so risks are controlled from start to finish.

Compliance-Driven Approach

- Projects are run on regulatory and standards-based requirements, ensuring procedures, documents, and maintenance align with industry expectations and audit needs.

Reliable Schedules & Accountability

- Timelines are planned realistically and tracked closely. Clear updates are shared with clients to keep them informed and minimise downtime even when unexpected changes arise.

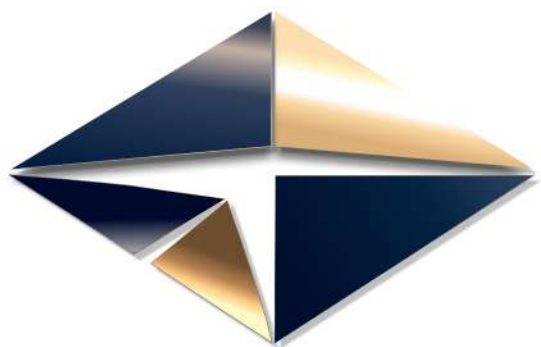
Single-Point Responsibility

- A single team remains responsible throughout—from inspection and planning to execution and commissioning—removing the need to coordinate between multiple vendors or contractors.

Client-Focused Service

- Every solution is shaped around the client's site requirements, processes, and operational goals, with recommendations made to enhance efficiency, safety, and long-term performance.

www.veltrixair.com



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