



Standard Crane
Overhead Travelling
Gantry Crane
Process Crane
Shipyard & Port
Jib Crane

Your Trusted Partner For Lifting Solution.

ENGINEERED FOR PRECISION.

**BUILT ON
EXPERIENCE.**

FOCUSED ON PERFORMANCE.

OVER 40 YEARS OF ENGINEERING EXCELLENCE



+40

Years Experience



Global Engineering Standards



Advanced Manufacturing Facilities

Corporate Profile

Founded in 1985, BVS represent a heritage of precision engineering & enduring quality, delivering high performance cranes tailored for different industries.

At the core of industrial progress stands strength, precision & uncompromising reliability. Our manufacturing facility represents the convergence of advanced engineering, refined production expertise & visionary industrial design.

We are not merely crane manufacturers we are architects of movement, engineering systems that redefine performance standards in heavy lifting.



As BVS Cranes, we are providing special solutions by taking into account the customer precisions.



Engineering Excellence Since 1985

High Performance Lifting Solutions for Heavy Duty Applications

A Benchmark in Manufacturing Excellence

Precision, Technology & Durability in Every Structure

Our production environment reflects discipline, sophistication & technological mastery. Equipped with advanced fabrication technologies, precision machining centers, automated welding systems & controlled assembly processes, our facility operates with seamless efficiency and uncompromising quality control.

Every structural component is crafted with meticulous attention to detail. Every weld reflects durability. Every assembly embodies engineering integrity.

The result is a product distinguished by structural strength, operational precision & exceptional longevity.



AUTHORIZED REGIONAL ENGINEERING, FABRICATION & SUPPORT HUB

INTEGRATED ENGINEERING, MANUFACTURING, LOGISTICS
AND AFTER-SALES SUPPORT FOR SEAMLESS PROJECT EXECUTION.

To strengthen project execution efficiency and ensure responsive local support, we are backed by an Authorized Regional Engineering, Fabrication & Commercial Support Hub.

ONE HUB.
COMPLETE SUPPORT.
STRONGER TOGETHER.

From concept to commissioning and beyond, our regional hub ensures every part of your project is engineered, built and delivered with precision and care.



ENGINEERING & PROJECT EXECUTION

The regional engineering team specializes in steel structure design, fabrication engineering, installation planning & on-site execution support.

With strong technical expertise in industrial projects, the team ensures accurate implementation of designs & smooth coordination during installation & commissioning phases.



Engineering design & 3D modelling of steel structures & crane systems



Detailing, fabrication drawings & material planning



Installation planning, site supervision & commissioning support



Preventive maintenance, inspection & breakdown support



MANUFACTURING & FABRICATION FACILITIES

The hub is supported by well equipped manufacturing & fabrication facilities dedicated to high quality steel structure production and industrial assembly works.

These facilities enable precise, efficient & scalable fabrication to meet diverse project requirements.



Heavy steel fabrication with advanced machinery & equipment



Precision cutting, welding, machining & assembly



In-process quality inspection & testing at every stage



Capability for large-scale industrial & turnkey fabrication projects



COMMERCIAL & LOGISTICS SUPPORT

To ensure seamless project flow from procurement to delivery, the regional hub provides comprehensive commercial & logistics support services.

This includes coordination of imports, customs clearance & material movement to site, ensuring smooth execution without administrative delays.



Import coordination & shipment handling support



Customs clearance documentation & compliance



Logistics planning & delivery coordination



Coordination with freight forwarders & transport partners



Support in regulatory compliance & documentation



INTEGRATED EXECUTION ADVANTAGE

This integrated setup combines engineering expertise, manufacturing capability and logistics coordination under one streamlined organization. This regional hub plays a key role in ensuring fast-track execution, reliable installation and efficient project delivery for crane systems and associated industrial structures.



FASTER PROJECT EXECUTION
with local engineering and manufacturing strength



REDUCED LEAD TIMES
through efficient planning and coordination



SEAMLESS COORDINATION
between design, fabrication and logistics



RELIABLE QUALITY & SAFETY
with strict quality and safety standards



RESPONSIVE AFTER-SALES SUPPORT
and long-term service partnership



**WELL EQUIPPED
FACILITIES**
Modern infrastructure &
advanced equipment



**EXPERIENCED
PROFESSIONALS**
Skilled engineers, fabricators
& support teams



**GLOBAL STANDARDS
LOCAL STRENGTH**
Built to international standards
with local responsiveness



YOUR PARTNER FOR RELIABLE LIFTING SOLUTIONS.
ENGINEERED. MANUFACTURED. DELIVERED.

STANDARD CRANES

Reliable Performance.
Everyday Excellence.

Modern Equipment
General Trading co.
Regional Sales Office



HIGH CAPACITY
Engineered to handle
heavy loads with ease.



SAFE & RELIABLE
Advanced safety features
for secure operations.



SMOOTH OPERATION
Precision control for smooth
and efficient movement



VERSATILE APPLICATIONS
Suitable for a wide range of
industrial lifting tasks.

STANDARDIZED HOIST SYSTEMS

ENGINEERED FOR EFFICIENCY, BUILT FOR RELIABILITY

Integrated, pre-engineered hoisting solutions designed to deliver operational excellence, manufacturing consistency, and dependable performance across diverse industrial lifting applications.

Our standardized hoist systems combine advanced engineering precision with manufacturing efficiency to provide reliable, safe, and cost-effective crane solutions that meet international operational standards.



PROVEN DESIGN.
OPTIMIZED PERFORMANCE.
STANDARDIZED FOR
OPERATIONAL EXCELLENCE.

Through refined product standardization, we minimize engineering repetition while maximizing production quality, technical reliability, and measurable economic advantages for our customers.



RELIABLE
PERFORMANCE



COST
EFFECTIVE



ENGINEERED
PRECISION



SAFETY
COMPLIANCE



ENGINEERING & PRODUCT STANDARDIZATION

Our hoist systems are developed under a structured production philosophy focused on consistent quality, precision engineering & enhanced lifting performance.

- Standardized core hoist configurations
- Optimized manufacturing efficiency
- International safety compliance
- Performance-focused design architecture
- Cost-effective production strategy



ELECTRICAL EQUIPMENT & CONTROL SYSTEMS

Advanced electrical systems are integrated into compact crane designs to ensure safe, reliable & flexible operational control.

- Schneider & Siemens electrical components
- High-quality contactors, fuses & reels
- Push-button operational controls
- Expandable remote-control integration
- Compact & reliable electrical configuration



HOISTING MOTOR AND REDUCER

Heavy-duty European-oriented motors & reducers are designed for continuous industrial performance under demanding operating conditions.

- High-performance hoisting motors
- Speed ranges from 3000/500 rpm/min
- Heavy-duty operational durability
- Dynamic load handling capability
- Electromagnetic safety brake systems



DRUM

Drums are manufactured from steel drawn pipe. Our drums are manufactured in high sensitivity & quality in our Robotic Welding Line. They are based in a chassis which is processed in Bermerk with at one side bearing & at another side with reducer.



OVERLOAD LIMIT SWITCHES

It provides the safety of both the crane and the operator by preventing overload lifting beyond the arranged load limits.



TRAVELLING GROUPS

According to the customer requirements, the travelling groups can be manufactured single or double speed variable motored & reduced. The Wheel groups manufactured in latest technology & are made of high quality steel & bearings. The wheels are manufactured by milling machine according to DIN 5480 & for providing easy maintenance service & also by applying heat treatment they can be used long lasting.



HOOKS & REELS

Hook is manufactured from forged steel according to the necessary standards and can make the movement of eternal turning on the axial bearing. By its close type structure it provides the maximum lifting height.



ROPE GUIDE SYSTEMS

Rope guide is used for wrapping of the rope on the drum by moving together with the rope. back and forth. The load must be hoisted in vertical position.



INTEGRATED STANDARD HOIST ADVANTAGE



FASTER MANUFACTURING CONSISTENCY
through standardized product platforms



HIGHER TECHNICAL RELIABILITY
with premium-grade components



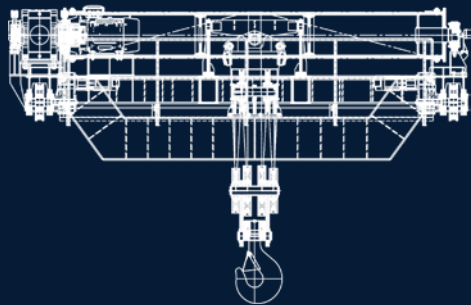
REDUCED ENGINEERING REDUNDANCY
through optimized product families



IMPROVED SAFETY PERFORMANCE
with advanced protective systems



LONGER EQUIPMENT LIFECYCLE
through robust industrial engineering



INTELLIGENT STANDARDIZATION,
STRATEGIC ADVANTAGE

ENGINEERED FOR EFFICIENCY. OPTIMIZED FOR PERFORMANCE.

Our standardized hoist platforms are the result of advanced engineering expertise, operational field experience & continuous performance optimization delivering reliable, scalable & economically efficient crane solutions across diverse industrial sectors.

Through structured product standardization, we reduce complexity, accelerate production,& maintain flexibility for project-specific customization while ensuring full compliance with international performance & safety standards.



SMARTER SYSTEMS.
FASTER DELIVERY.
STANDARDIZATION THAT
CREATES MEASURABLE VALUE.

By integrating standardized hoist modules into our crane systems, we significantly reduce project lead times, lower manufacturing costs, and enhance operational consistency without compromising engineering precision.



FASTER
DELIVERY



LOWER
COSTS



CONSISTENT
QUALITY



PERFORMANCE
WITHOUT COMPROMISE

THIS STRATEGIC STANDARDIZATION PROVIDES:



Reduced
engineering
lead time



Faster
production
cycles



Lower
manufacturing
costs



Optimized
component
availability



Enhanced
quality
consistency



Efficiency
without
compromising
performance



WHY STANDARDIZATION MATTERS

Our structured production philosophy allows us to consolidate core components, streamline manufacturing, and maximize long-term customer value.

- Economies of scale in procurement and fabrication
- Reduced operational and spare parts complexity
- Improved manufacturing speed
- Reliable cost optimization
- Consistent product quality
- Scalable engineering flexibility



SMART INVESTMENT VALUE

Standardized systems create significant financial and operational benefits throughout the equipment lifecycle.

- Optimized investment costs
- Long-term operational savings
- Simplified maintenance procedures
- Lower lifecycle cost
- Reduced spare parts complexity
- Improved asset management



DEPLOYED ACROSS DIVERSE INDUSTRIAL SECTORS



STEEL
MANUFACTURING



PETROCHEMICAL
FACILITIES



WAREHOUSING &
LOGISTICS



HYDROPOWER
PROJECTS



HEAVY
MANUFACTURING



PORT & MARINE
OPERATIONS



OPERATIONAL PERFORMANCE IMPACT

Our standardization strategy directly improves execution speed, scheduling reliability, and customer productivity.

- Shorter delivery timelines
- Faster project execution
- Minimized operational downtime
- Predictable scheduling efficiency
- Increased productivity
- Enhanced customer responsiveness



DELIVERY

Shorter delivery times



EXECUTION

Faster project execution



DOWNTIME

Minimized downtime



SCHEDULING

Predictable scheduling
time saved



PRODUCTIVITY

Productivity gained



STRUCTURED PRODUCTION EXCELLENCE

Advanced standardization
with engineering precision



LONG-TERM CUSTOMER VALUE

Operational savings through
optimized systems



GLOBAL STANDARDS, SMART EXECUTION

Reliable international solutions
with local flexibility

YOUR TRUSTED PARTNER FOR
STANDARDIZED INDUSTRIAL
LIFTING SOLUTIONS.
OPTIMIZED. STREAMLINED. DELIVERED.



OVERHEAD TRAVELLING CRANES

BUILT FOR HEAVY LIFTING.
ENGINEERED FOR PERFORMANCE.

Modern Equipment
General Trading co.

Reginal Sales Office



HIGH CAPACITY

Engineered to handle
heavy loads with ease.



SAFE & RELIABLE

Advanced safety features
for secure operations.



SMOOTH OPERATION

Precision control for smooth
and efficient movement



CUSTOM SOLUTIONS

Tailored design to meet
your specific needs

PRECISE ENGINEERING. POWERFUL PERFORMANCE.

OVERHEAD TRAVELLING CRANES

ENGINEERED FOR PRECISION, BUILT FOR PERFORMANCE.

Discover the key components that ensure safe, efficient & reliable lifting in every operation.

1. OVER BRIDGE ELECTRICAL SYSTEM

Our standard cranes utilize profile-based electrical systems. Depending on hoisting capacity, crane working conditions, and duty class, heavy-duty cable trolleys are integrated to ensure stable and reliable electrical performance.

2. DRUM

Steel draw-pipe drums are manufactured using advanced CNC technologies. The drum is equipped with a reducer on one side and drum support on the opposite side. It is designed to maintain a minimum of three rope turns when the hook reaches its lowest operating position.

3. CRANE BRIDGE AND MAINTENANCE PLATFORM

Structure of double girder overhead travelling cranes are manufactured from box type steel structure with supporting profiles inside, by this method deflection on the girder can be minimized.

Along the bridge a maintenance platform is given on one side which will bring perfect access for the maintenance .

5. ROPE

The rope is chosen according to the working class of the crane according to convenient safety factor. A rope guide is given for whipping of the rope on the drum.

5. HOOK

DIN 15401 single head or DIN15402 double head hooks are used for standard cranes. The hook is manufactured from forged steel material and there is safety latch.



SAFE
OPERATION



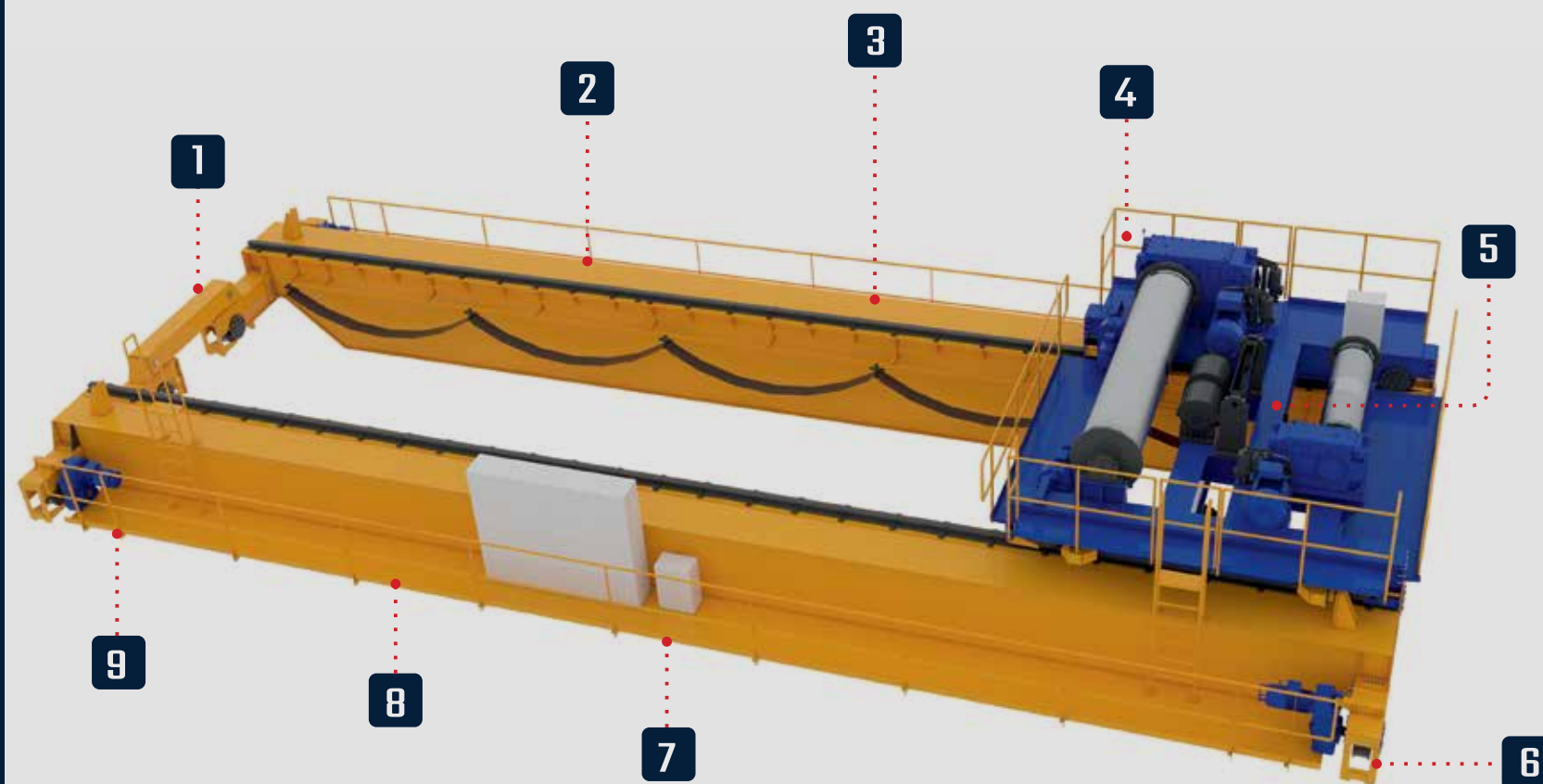
HIGH
RELIABILITY



LOW
MAINTENANCE



LONG
SERVICE LIFE



6. HOISTING GROUP

German originated ABM brand hoisting motor and reducer are coupled. The hoisting motor is squirrel cage and asynchronous. It is manufactured especially for the crane hoisting system. Engine rpm is 3000/500 rpm/min. The class of isolation is F. The engine protection classes are IP54, IP55 and IP65. There is thermic protection in oil bath. And the reducer have one entry and one exit axle.

7. TROLLEY TRAVELLING UNIT

Trolley travelling group is steel structure manufactured from metal sheet. The engine protection classes are IP54, IP55 and IP65. In standard Trolley travelling units there are 4 wheels. By designing the travelling motors with inverter system, smooth start and stop is provided. Trolley travelling motor brake is electromagnetic.

8. ELECTRICAL PANEL

The protection class of electrical panel can be IP54, IP55 or IP65. In standard the supply voltage is 400V and working frequency is 50 Hz. For special projects or in abroad the supply voltage can be 460V and working frequency can be 60 Hz. The equipments inside the electrical panel are Schneider or Siemens brand. By crane system, warning system with horn and light, phase and thermal protection relays and limit switches safety operating is provided. In case of working temperature is +50°C degree, to prevent break down of the equipments to provide working efficiently, panel type cooling system is used.

9. BRIDGE TRAVELLING GROUP

Bridge travelling group, is steel structure manufactured from metal sheet and profile. By designing the travelling motors with inverter system, smooth start and stop is provided. In standard Bridge travelling units there are 4 wheels. By 2 pcs motors and reducers the wheels are driven. According to the load the wheels are increased.

Precision, Power, Performance |



High Safety
Standards



Robust & Reliable
Components



Smooth & Efficient
Operation



Easy Maintenance
Access



Long-term
Durability



BUILT TO
PERFORM.
ANYTIME.
EVERYTIME.



STRONGER
BY DESIGN



PRECISE
CONTROL



RELIABLE
OPERATION



BUILT FOR
PERFORMANCE

UNCOMPROMISING STRENGTH



BVS Cranes will continue to be
your business partner in every process.



Engineered to Endure

From concept to commissioning, each crane system is developed through rigorous analysis, intelligent design and precision manufacturing. Our engineering team applies advanced structural calculations and performance optimization techniques to deliver lifting solutions that are:

- > Technically superior
- > Architecturally robust
- > Operationally refined
- > Engineered for enduring

We transform complex industrial challenges into
ELEGANT, RELIABLE solutions.



The Standard of Quality

Quality is not a department within our organization it is the culture that defines it. Every crane undergoes comprehensive inspection, precision testing and strict performance verification prior to delivery. We adhere to internationally recognized standards and continuously invest in innovation, advanced production technology and engineering development. Safety, durability and excellence are embedded in every detail.



QUALITY
ASSURED



TESTED FOR
SAFETY



ADVANCED
TECHNOLOGY



EXPERT
ENGINEERING



EXCELLENCE
DELIVERED



SAFETY FIRST
Engineered with safety
at the core of every solution.



INNOVATIVE ENGINEERING
Advanced design and analysis
for superior lifting
performance.



LOW MAINTENANCE
Reliable components and
smart design for minimal
downtime.



LONG SERVICE LIFE
Built with high-quality
materials for extended
operational life.



DEDICATED SUPPORT
Expert support team available
for you, whenever you need.

POWERING YOUR PROCESSES.
LIFTING YOUR POTENTIAL.

GANTRY CRANES

Powerful Lifting. Smarter Operations.

Modern Equipment
General Trading co.

Regional Sales Office



HIGH CAPACITY

Engineered to handle heavy loads with ease.



SAFE & RELIABLE

Advanced safety features for secure operations.



SMOOTH OPERATION

Precision control for smooth and efficient movement



CUSTOM SOLUTIONS

Tailored design to meet your specific needs

KEY COMPONENTS of GANTRY CRANE SYSTEM

Engineered for performance, built for reliability.

Every component works in harmony to deliver safe, efficient & continuous lifting operations.



CONTROL PANEL

The control panel serves as the central command interface of the gantry crane, housing all essential electrical and operational controls required for safe and efficient crane operation. Engineered for durability in demanding industrial environments, the panel is typically constructed from heavy-gauge steel or reinforced enclosures with IP-rated protection against dust, moisture, and mechanical impact.



OPERATOR CABIN

The operator cabin is an enclosed control station mounted on the gantry crane, designed to provide the operator with a safe, comfortable & ergonomic working environment. It offers excellent visibility of the working area and houses the crane control systems, monitoring instruments, communication equipment, and safety devices necessary for efficient and precise crane operation.



CABLE DRUM

The cable drum is a cable management system designed to store, protect & automatically wind or unwind electrical power and control cables during crane travel. It ensures a reliable power supply and signal transmission while preventing cable damage, tangling, and excessive wear during operation.



HOISTING GROUP

The hoisting group is the primary lifting mechanism of the gantry crane, consisting of the hoist motor, gearbox, drum, wire ropes, and hook assembly. It is designed to provide safe, reliable, and precise vertical movement of loads while ensuring high lifting performance and operational efficiency.



TRAVELLING GROUPS

The travelling group is the mechanism responsible for the horizontal movement of the gantry crane along the runway or rails. It consists of wheel assemblies, drive motors, gearboxes, brakes, and supporting structures, designed to provide smooth, precise, and reliable crane travel while ensuring stability and safe load handling.



UNDER HOOK EQUIPMENT

The under-hook equipment is the load-handling assembly suspended from the hoisting system, designed to securely engage, lift & transport loads. Depending on the application, it may include a hook block, spreader beam, lifting attachments, or specialized handling devices to ensure safe & efficient material handling. Common types include hook blocks, lifting beams, spreader beams, container spreaders, coil lifting attachments, grabs, clamps, magnets & vacuum lifters.



SAFE & RELIABLE

Designed with advanced safety features for secure operations.



HIGH PERFORMANCE

Precision-engineered components for maximum efficiency.



DURABLE & ROBUST

Built with high-quality materials for long service life.



EASY MAINTENANCE

Smart design for quick inspection & minimal downtime.



EXPERT SUPPORT

Professional support & after-sales service you can rely on.

INDUSTRIAL LIFTING SOLUTION FOR HEAVY-DUTY APPLICATION

BVS Gantry Cranes are engineered to deliver safe, efficient, and reliable material handling across cranes provide superior lifting performance where overhead runway systems are not feasible or practical.

With robust construction, precise controls, and customizable configurations, our gantry cranes meet the demanding requirements of modern industry.

Our Custom Engineering Solution can cover wide range of Gantry cranes in different industries like Types of Gantry Cranes.



BUILT FOR STRENGTH. DESIGNED FOR PERFORMANCE.

With high load capacity, stable structure, and rugged construction, our gantry cranes are ideal for handling heavy loads in outdoor storage yards, fabrication facilities, shipping terminals, and industrial plants.



HIGH
STRENGTH



RELIABLE
PERFORMANCE



MAXIMUM
EFFICIENCY



OPERATOR
SAFETY



ENGINEERED WITHOUT BORDERS

Our industrial crane manufacturing facility operates with a truly global perspective. While our production excellence is rooted in precision engineering and advanced infrastructure, our vision extends far beyond geographical boundaries.

We proudly serve international markets, delivering engineered lifting solutions to clients across diverse industries and regions. Our export operations are streamlined, efficient and aligned with global standards, ensuring seamless delivery from factory floor to final destination.



BUILT TO COMPETE GLOBALLY

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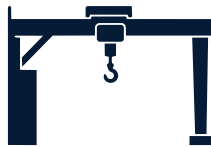
EXPERT EXCELLENCE & INTERNATIONAL STANDARDS

Every crane system we produce is designed in full compliance with internationally recognized engineering and safety standards.

Our production, documentation, inspection, and packaging processes are optimized to meet the technical and regulatory requirements of global markets.



Full Gantry Crane



Semi-Gantry Crane



INTEGRATED STANDARD HOIST ADVANTAGE



Shipping ports & container terminals



Construction & infrastructure projects



Steel & metal fabrication plants



Precast concrete yards



Warehousing & logistics centers



Railway maintenance facility

YOUR TRUSTED PARTNER FOR HEAVY LIFTING SOLUTIONS

ENGINEERED. BUILT. DELIVERED.



STRONG & RELIABLE
Built with high-grade steel for maximum durability.



EFFICIENT & PRODUCTIVE
Engineered for smooth operation and high performance.



SAFE & SECURE
Advanced safety features for worry-free operations.



COST-EFFECTIVE
Low maintenance, high efficiency, better return on investment.

HS2 HIGH SPEED RAILWAY - UK

- > 87.5 TON
- > 54 M SPAN
- > 530 M LONG TRAVEL





PROCESS CRANES

Engineered for Critical Operations.

 **Modern Equipment**
General Trading co.

Reginal Sales Office



HIGH CAPACITY

Engineered to handle
heavy loads with ease.



SAFE & RELIABLE

Advanced safety features
for secure operations.



SMOOTH OPERATION

Precision control for smooth
and efficient movement



CUSTOM SOLUTIONS

Tailored designe to meet
your specific needs

BUILT FOR STEEL. ENGINEERED TO PERFORM.

Heavy Duty Cranes for the Steel Industry

Engineered for extreme conditions.
Built for continuous performance.
Trusted in every lift.



POWERFUL LIFTING. SMARTER OPERATIONS.

Heavy Duty Overhead & Gantry Cranes for Steel Yards & Material Handling

Robust. Reliable. Efficient.
Built to handle every challenge.



HIGH CAPACITY
Engineered for heavy
loads and tough
operations.



BUILT TO LAST
Strong structures
designed for long-term
performance.



**SMOOTH & SAFE
OPERATION**
Advanced technology
ensures precise and
safe handling.



LOW MAINTENANCE
Reliable components
for reduced downtime and
lower costs.



PRECISE CONTROL
Advanced control systems
for safe, smooth and
accurate handling.



BUILT TOUGH
High quality components
and robust structures
for steel mill applications.



MAXIMUM RELIABILITY
Designed for continuous
operation in the
most demanding environments.



HEAVY DUTY DESIGN
built for severe service
and long life.



**YOUR PARTNER
IN LIFTING SOLUTIONS**



**PROVEN
EXPERIENCE**



**ENGINEERED
SOLUTIONS**



**GLOBAL
STANDARDS**



**ON-TIME
DELIVERY**



**AFTER-SALES
SUPPORT**

**BUILT TODAY.
READY FOR TOMORROW.**

● ENGINEERED FOR CONTINUOUS PERFORMANCE.

PROCESS CRANES BUILT FOR RELIABILITY.

DESIGNED FOR INTENSIVE. BUILT FOR PROCESS INDUSTRIES.

Engineered to deliver maximum safety, operational stability & long-term performance in demanding industrial processes.

1. Hoisting Group & Trolley Assembly

The Hoisting Group is the primary lifting mechanism of the crane & is specifically engineered for continuous heavy-duty operation. Designed for high lifting frequencies & demanding process applications, the hoisting system provides smooth load handling, precise positioning & maximum operational reliability.

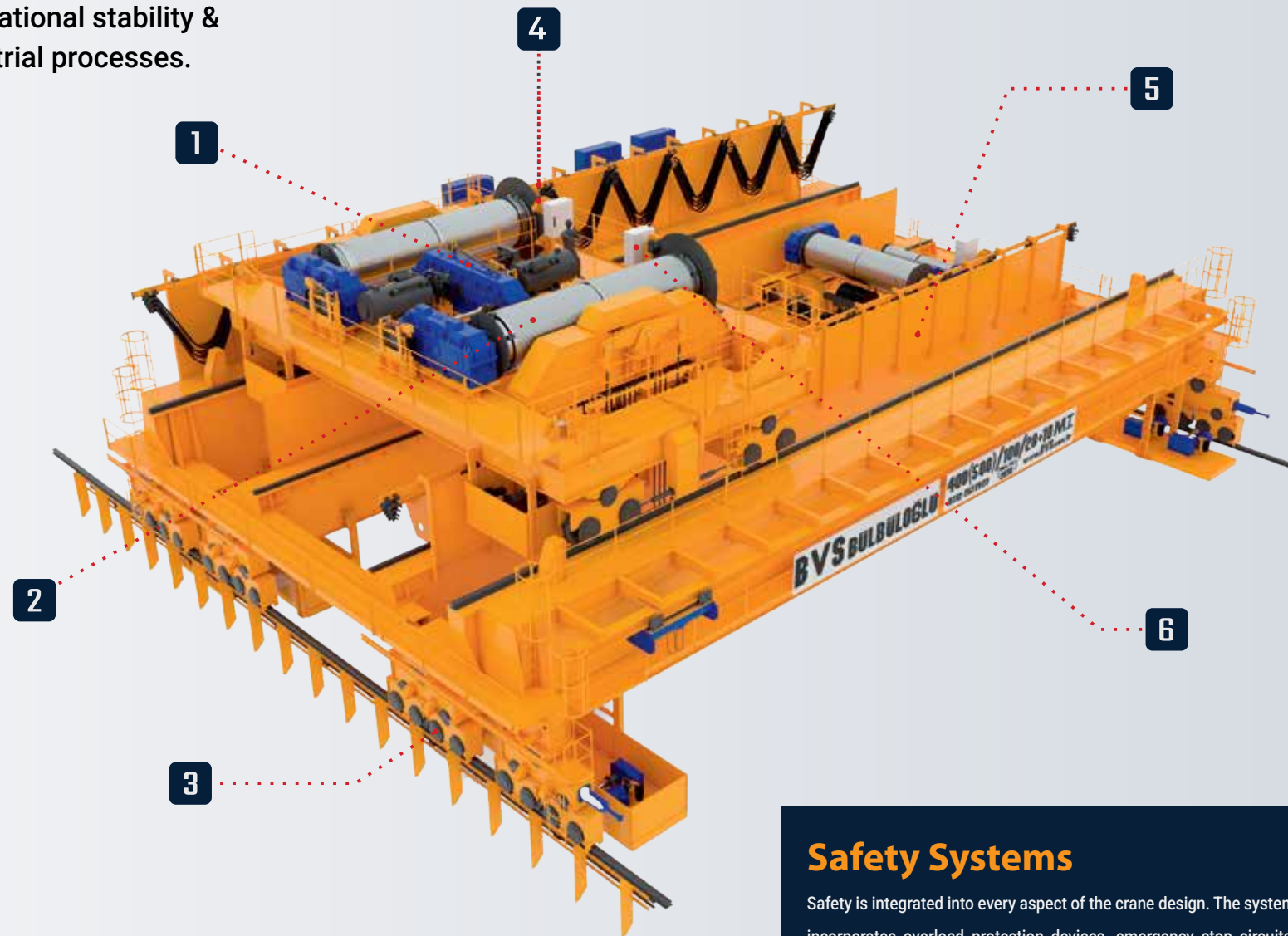
The Trolley Assembly carries the hoisting mechanism & travels across the span of the crane & designed for maximum stability & load distribution, the trolley ensures smooth transverse movement and precise load placement. Its heavy-duty construction is optimized to withstand repetitive operating cycles in harsh industrial environments.

2. Wire Rope & Reeving System

The Wire Rope and Reeving System are designed to provide safe & efficient load lifting. High-strength wire ropes, precision-machined sheaves & optimized reeving arrangements ensure uniform load distribution and reduced rope wear. For critical process applications, redundant reeving configurations can be incorporated to enhance operational safety.

3. End Carriages

End Carriages support the main girder and facilitate crane travel along the runway system. They are equipped with precision-machined wheels, heavy-duty bearings, powerful drive units to ensure smooth & reliable operation. The robust design minimizes wheel wear, reduces maintenance requirements & guarantees accurate crane positioning.



Safety Systems

Safety is integrated into every aspect of the crane design. The system incorporates overload protection devices, emergency stop circuits, travel limit switches, anti-collision systems, load monitoring equipment & electrical protection systems. These features ensure compliance with international safety standards while protecting personnel, equipment & production processes.

4. Braking System

The braking system incorporates fail-safe electromagnetic brakes designed to engage automatically in the event of power loss. Engineered for heavy-duty applications, the system ensures safe load holding & controlled stopping performance. Redundant braking arrangements are available for critical lifting operations requiring enhanced safety.

5. Main Girder & Structural Safety

The Main Girder serves as the principal load-bearing structure of the crane. Manufactured from high-strength structural steel, it is designed using advanced Finite Element Analysis (FEA) to evaluate stress distribution, fatigue life & load paths. This ensures long-term structural reliability under continuous heavy-duty operating conditions. The design philosophy focuses on maximizing safety, durability, and lifecycle performance while meeting international crane design standards.

Heavy static & dynamic loads while maintaining structural integrity throughout its service life should be considered in design.

6. Electrical Control System & Drive Technology

The Electrical Control System integrates all crane functions through advanced PLC-based controls. Intelligent monitoring and diagnostics enable efficient operation, simplified maintenance & enhanced system reliability. The control architecture supports remote monitoring, automation integration & condition based maintenance strategies.

Modern A8 process cranes utilize Variable Frequency Drives (VFDs) for all major motions. This technology enables smooth acceleration and deceleration, precise speed control, reduced mechanical wear, and improved energy efficiency. The result is enhanced crane performance, increased component life & reduced maintenance costs.



**ENGINEERING
EXCELLENCE**
Precision-driven
engineering solutions



**PREMIUM
QUALITY**
International standards
for lasting reliability



**ADVANCED
MANUFACTURING**
State-of-the-art production
and quality control



**GLOBAL
STANDARDS**
Compliant with international
engineering standards

**ENGINEERED TO LIFT.
BUILT TO LAST.**

STRONGER. HIGHER. SAFER.

IRON STEEL MANUFACTURING & CASTING INDUSTRY



Molten metal ladle handline



Billet and slab Transport



Scrap charging



coil handling in Rolling Mills



Continuous Casting operations



Furnace Charging & Maintenance



Structural Design

The crane structure is fabricated using high tensile structural steel with stress-relieved weld joints. Finite Element Analysis (FEA) is conducted during the design phase to ensure:

- > Load distribution efficiency
- > Structural stability
- > Reduced deflection
- > Long fatigue life



A Portfolio Defined by Strength

Our range of industrial lifting systems includes overhead cranes, gantry cranes, jib cranes, underslung systems, and fully customized heavy-duty applications each designed to integrate seamlessly into sophisticated industrial environments.

Whether supporting large-scale manufacturing facilities, steel operations, energy plants, or infrastructure projects, our systems operate with unwavering stability and efficiency.



ENGINEERED FOR STRENGTH

Reliable structures for extreme performance



ADVANCED DESIGN

FEA validated for safety and durability



TAILORED SOLUTIONS

Customized systems for unique applications



QUALITY ASSURED

Built to the highest standards of reliability



BUILT FOR INDUSTRY

Supporting progress in steel and infrastructure

STRENGTH IN EVERY LIFT.

VALUE IN EVERY INVESTMENT.

ENGINEERED LIFTING SOLUTIONS FOR POWER GENERATION FACILITIES

RELIABLE. EFFICIENT. BUILT FOR ENERGY.

Engineered lifting solution for power generation facilities

We are a reliable partner in both private and public energy production sector all over the world by our integrated energy industry solutions. At the same time, for the energy production facilities we are providing operating and maintenance services.



Application Field



Construction of Energy production facility



Power Plants for production electricity & heat



Renewable power production facilities



Combined cycle natural gas power plants,



Thermal power plants,



Hydroelectric power plants, Dams.

BVS Cranes have an important role for the establishment of machinery and facilities for energy production. For instance; BVS Cranes are used for the production of gas and steam turbines which have to be located correctly to the latest millimeter of the fundamental machinery components. And also for the manufacturing and installation of the necessary parts, BVS Cranes are providing the necessary support both in manufacturing facilities and installation fields.



RELIABLE PERFORMANCE

Built for continuous and demanding operations



ADVANCED ENGINEERING

Smart design for maximum efficiency



INDUSTRY EXPERTISE

Proven solutions for energy applications



OPERATION & MAINTENANCE

Comprehensive support for total reliability



PARTNER IN ENERGY

Trusted by private and public energy sectors

LIFTING SOLUTIONS

THAT POWER A BETTER FUTURE.



350/80/10 M.T (CH-2)

BVS Bülbüloğlu
cranes Vinç San. ve Tic. A.Ş.

2020 €

MMK STEEL MILL / TURKEY

SHIPYARD & PORTS

Powering Global Port Productivity.

Modern Equipment
General Trading co.

Reginal Sales Office



HIGH CAPACITY
Engineered to handle
heavy loads with ease.



SAFE & RELIABLE
Advanced safety features
for secure operations.



SMOOTH OPERATION
Precision control for smooth
and efficient movement



CUSTOM SOLUTIONS
Tailored design to meet
your specific needs



PORT & HARBOR SOLUTIONS

ENGINEERED FOR PERFORMANCE



As a key element in increasing the productivity of shipyards and ports



Port & Harbor Solutions

We deliver high-performance crane systems engineered for the demanding and mission-critical operations of modern ports and harbor terminals.

Our solutions are designed to maximize throughput, ensure operational continuity, and withstand the harshest marine environments.

Our portfolio includes **Ship-to-Shore (STS) cranes, Rubber Tyred Gantry (RTG) cranes, OPERATIONAL CONTAINER HANDLING PORTAL Crane DOCK Crane and Ship Loader cranes**—each developed with a focus on structural integrity, precision control and long-term reliability under continuous, high-duty cycles. Built using advanced engineering methodologies and high-grade materials, our equipment is optimized for heavy loads, high speeds, and seamless integration into port logistics systems.

Engineering Excellence & Performance.



Optimized designs for high productivity and reduced cycle times



Advanced control systems for precise, safe, and smooth operations



Robust structures designed for intensive, continuous duty



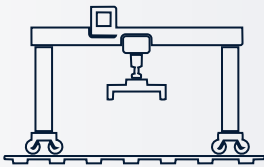
Marine-grade corrosion protection for extended service life



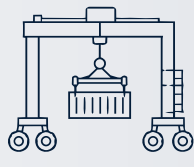
Energy-efficient systems with options for electrification and automation



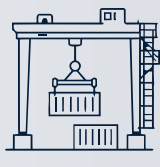
Transportation in shipyards and ports is the main issue which is related to speed, accuracy and heavy duty aspects. Providing reliable and precise life time lifting support is the main task in design and manufacturing team in BVS .



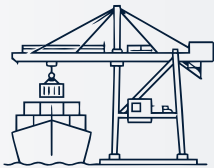
Rail-Mounted Gantry Crane (RMG)



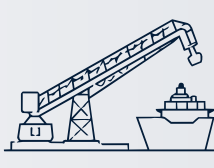
RUBBER TYERD GANTRY Crane (RTG)



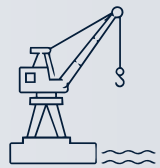
OPERATIONAL CONTAINER HANDLING PORTAL Crane



SHIP TO SHORE Gantry Cranes (STS)



SHIP LOADER Crane



DOCK Crane

Integrated Lifecycle Support Beyond equipment supply, we provide end-to-end support from design & installation to modernization and training ensuring sustained performance and maximum return on investment. With a strong focus on innovation, safety and operational efficiency, we partner with our customers to deliver reliable, future-ready solutions for evolving port infrastructure.



PROVEN TECHNOLOGY



MAXIMUM UPTIME



GLOBAL EXPERIENCE



DEDICATED SUPPORT

STS CRANES

POWERING GLOBAL TRADE.

BUILT FOR PERFORMANCE.

Ship-to-Shore Cranes engineered for maximum productivity, safety and reliability.

RTG CRANES

FLEXIBLE. RELIABLE. EFFICIENT.

Rubber Tyred Gantry Cranes designed for smooth operations in any terminal



- Specially designed for loading soda ash onto ships.
- Turkey's largest capacity ship loader.
- Capable of operating for up to 8 hours per day & lifting 1,500 tons per hour.
- 215-meter walking distance
- A ship loader with a capacity of 300 tons per hour has also been designed to operate alongside the main ship loader.
- PLC & regenerative drive modules are used. These modules help save energy.
- Controlled by 19 motors (16 bridge motors, 2 rotation motors & 1 hook motor).



JIB CRANES

PRECISE LIFTING
MAXIMUM EFFICIENCY.

Modern Equipment
General Trading co.

Regional Sales Office



HIGH CAPACITY
Engineered to handle
heavy loads with ease.



SAFE & RELIABLE
Advanced safety features
for secure operations.



SMOOTH OPERATION
Precision control for smooth
and efficient movement



CUSTOM SOLUTIONS
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COMPACT, EFFICIENT LIFTING FOR LOCALIZED WORKSTATION

IDEAL FOR REPETITIVE LIFTING OPERATIONS AT INDIVIDUAL WORKSTATIONS.



Compact, Efficient Lifting for Localized Workstation

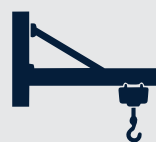
Our Jib Cranes are designed to provide efficient material handling within a limited work area. Ideal for individual workstations, assembly lines, and maintenance bays, jib cranes improve productivity by allowing quick and precise lifting without occupying large floor space. They are a cost-effective solution for repetitive lifting tasks and can operate independently or alongside overhead crane systems.



Pillar (Free-Standing)
Jib Crane



Wall-Mounted
Jib Crane



Wall-Mounted
Jib Crane



Wall Travelling
Jib Crane



APPLICATION AREAS



Manufacturing
plants



Machine
shops



Maintenance
workshops



Metal fabrication
facilities



Assembly
lines



Warehouses



Automotive
industry



Efficient Lifting Where You Need It

Jib cranes provide reliable and precise lifting support exactly where it is needed most. Whether for assembly, maintenance, or production processes, they offer a practical & economical solution for improving operational workflow.



SPACE SAVING
Compact design for
maximum workspace
utilization.



EASY OPERATION
Smooth and precise
movements for
effortless handling.



HIGH RELIABILITY
Built with quality
components for
long-term performance.



LOW MAINTENANCE
Simple design for easy
inspection and minimal
downtime.



COST EFFECTIVE
Affordable solution with
high efficiency and low
operating cost.

**SMART LIFTING SOLUTIONS
FOR EVERY WORKSTATION**



RESEARCH & DEVELOPMENT

ACADEMY DEPARTMENT

- Knowledge That Powers Performance.
- Training Excellence for Industrial Safety.
- Empowering Operators Through Expertise.
- Practical Training. Operational Confidence.
- Developing Skills for Reliable Operations.

Modern Equipment
General Trading co.

Reginal Sales Office



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RESEARCH & DEVELOPMENT

INNOVATION, ENGINEERING & TECHNICAL TRAINING HUB

Our Research & Development division continuously enhances the performance, safety & reliability of overhead travelling & gantry crane systems through advanced engineering, innovation & technical expertise.

By integrating optimized structural analysis, automation technologies & practical operational feedback, we deliver intelligent lifting solutions aligned with international standards & evolving industrial demands.



**ONE CENTER.
COMPLETE INNOVATION.
ENGINEERED FOR THE FUTURE.**

From advanced crane engineering and structural optimization to operator training and technical support, our integrated R&D and Training Center ensures reliable, safe, and high-performance lifting solutions for modern industries



RESEARCH & ENGINEERING DEVELOPMENT

Our engineering specialists focus on innovation-driven crane development with emphasis on performance optimization, operational safety, and long-term reliability.

- ✓ Advanced crane design & 3D engineering analysis
- ✓ Load optimization & structural efficiency studies
- ✓ Safety validation & stress analysis
- ✓ Performance enhancement for heavy duty operations
- ✓ Compliance with international engineering standards



STRUCTURAL ANALYSIS & SMART TECHNOLOGY INTEGRATION

We develop intelligent lifting systems by integrating automation technologies, smart control systems, and advanced structural engineering methodologies.

- ✓ Structural analysis & fatigue evaluation
- ✓ Smart automation & control system integration
- ✓ Efficient drive & motion control solutions
- ✓ Development of customized application based systems
- ✓ Continuous product improvement through field feedback

BVS R&D CENTER UNIVERSITY-INDUSTRY COLLABORATIONS



BVS R&D CENTER ADVANCED ENGINEERING AND FSMH PARTNERSHIPS



ADVANCED ENGINEERING
Modern design tools & simulation systems



EXPERIENCED SPECIALISTS
Skilled R&D engineers & technical trainers



SMART TECHNOLOGY
Automation-ready & intelligent crane systems



INTERNATIONAL STANDARDS
Designed for global industrial requirements



**YOUR PARTNER FOR
RELIABLE CRANE SERVICE SOLUTIONS.**
ENGINEERED. MANUFACTURED. DELIVERED.

Continuous learning, professional development & engineering excellence.

Designed to support customers, partners & industry professionals

BVS Academy delivers industry-focused training programs designed to strengthen technical knowledge, improve operational safety & develop the skills required for world-class crane operation, maintenance & engineering support.



CRANE TRAINING INSTITUTE

Our in house training academy provides practical & technical education programs for crane operators, maintenance teams & industrial personnel.

- ✓ Hands on crane operation training
- ✓ Operator safety procedures & best practices
- ✓ Maintenance & troubleshooting workshops
- ✓ Control system & component familiarization
- ✓ Customized customer-oriented training modules



**Training Today
Engineering Tomorrow.**



Through BVS Academy, **Modern Equipment General Trading LLC** serves as the regional gateway to BVS engineering knowledge, delivering practical training, technical expertise, and continuous professional development to support safer, more efficient & more reliable crane operations.



TECHNICAL SUPPORT & OPERATIONAL EXCELLENCE

We help customers maximize crane efficiency, reduce downtime & improve long term operational safety through continuous support & technical guidance.

- ✓ Equipment performance optimization
- ✓ Preventive maintenance recommendations
- ✓ Operational risk reduction strategies
- ✓ Technical consultation & after-sales support
- ✓ Long term reliability enhancement programs

INTEGRATED R&D ADVANTAGE

FASTER PRODUCT DEVELOPMENT
with advanced engineering capabilities

ENHANCED SAFETY & RELIABILITY
through structural validation and testing

SMART & AUTOMATED SOLUTIONS
for modern industrial applications

REDUCED OPERATIONAL DOWNTIME
with efficient technical training programs

CUSTOMER-ORIENTED ENGINEERING
tailored for specific project requirements

FUTURE-READY TECHNOLOGY
Designed for global industrial requirements



AFTER SALES SERVICES

Support Beyond Installation.

- Reliable Service. Maximum Uptime.
- Committed to Performance for the Long Run.
- Responsive Support. Reliable Operations.
- Keeping Your Operations Moving

 **Modern Equipment**
General Trading co.

Reginal Sales Office



HIGH CAPACITY

Engineered to handle heavy loads with ease.



SAFE & RELIABLE

Advanced safety features for secure operations.



SMOOTH OPERATION

Precision control for smooth and efficient movement



CUSTOM SOLUTIONS

Tailored design to meet your specific needs

AFTER-SALES SERVICE & SUPPORT, MAINTENANCE SOLUTIONS

• GLOBAL REACH • LOCAL EXPERTISE

Our commitment goes beyond crane installation. Through our dedicated after sales support network, we ensure the safe, efficient & uninterrupted operation of overhead travelling and gantry crane systems across all industries.



**ONE PARTNER.
COMPLETE SUPPORT.
ALWAYS READY TO RESPOND.**

From installation and commissioning to modernization and emergency breakdown support, our integrated service team delivers responsive, reliable, and customer-focused solutions designed to keep operations running efficiently.

INSTALLATION & COMMISSIONING SERVICES

Our experienced engineers supervise crane installation & commissioning processes to ensure optimal operational performance, safety & compliance from the very first day.

- ✓ Professional installation supervision
- ✓ System testing & operational verification
- ✓ Safety inspection & commissioning procedures
- ✓ Load testing & performance validation
- ✓ Compliance with operational standards



PREVENTIVE MAINTENANCE & BREAKDOWN SUPPORT

We provide scheduled maintenance programs & rapid-response technical support to minimize downtime & maintain reliable crane performance.

- ✓ Scheduled inspection & servicing programs
- ✓ Preventive maintenance planning
- ✓ Emergency breakdown response support
- ✓ Troubleshooting & fault diagnostics
- ✓ Fast restoration of crane operations





QUICK RESPONSE SUPPORT
Rapid technical assistance and field service



GENUINE SPARE PARTS
Reliable components for long-term operation



PROFESSIONAL TRAINING
Safe and efficient crane operation programs



LONG-TERM SERVICE PARTNERSHIP
Customized maintenance and support solutions



YOUR TRUSTED PARTNER FOR RELIABLE CRANE SERVICE SOLUTIONS.
SUPPORTED. MAINTAINED. MODERNIZED. DELIVERED.

Modern Equipment General Trading LLC

Your Reliable Partner for Genuine BVS Spare Parts, Technical Expertise & Long-Term Crane Performance Support

• RELIABILITY • LONG-TERM PARTNERSHIP

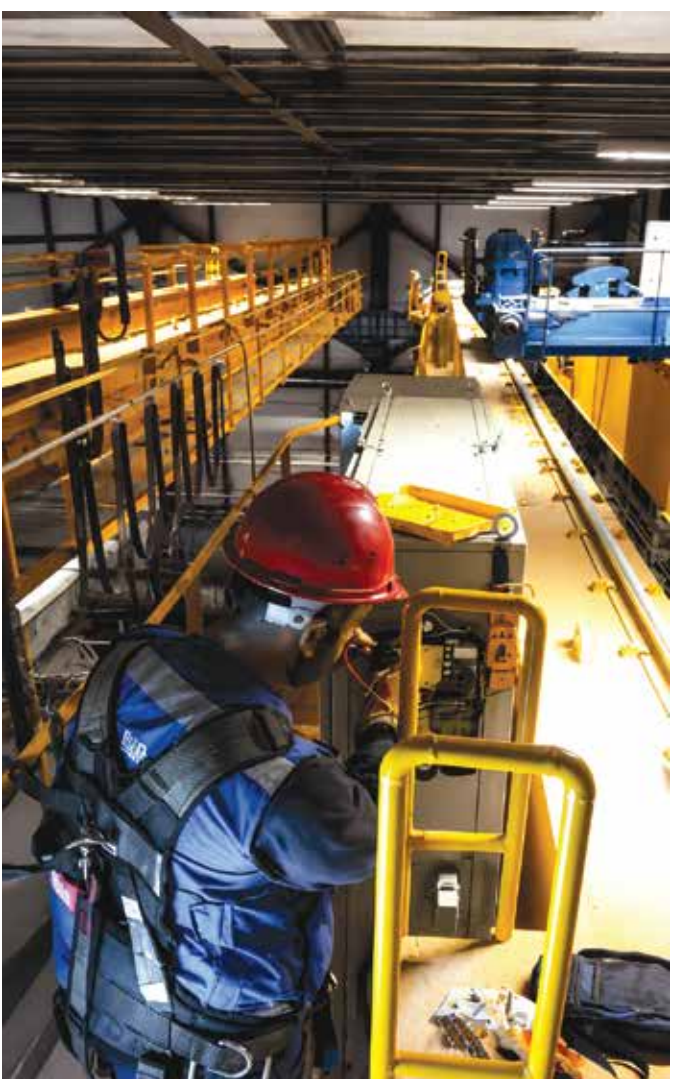
With expert technical assistance, preventive maintenance programs, modernization solutions & rapid response service teams, we help customers maximize equipment reliability and operational continuity.



SPARE PARTS SUPPLY & SYSTEM MODERNIZATION

We ensure long-term equipment reliability through genuine spare parts availability, retrofitting services, & advanced system upgrades.

- ☒ Genuine spare parts supply
- ☒ Electrical & mechanical upgrades
- ☒ Retrofitting & modernization solutions
- ☒ Safety & efficiency improvements
- ☒ Compliance upgrades to latest standards



Modernization & Upgrades

Retrofitting & system upgrades to enhance safety, efficiency & compliance with current standards.

- ☒ Upgrade of electrical & control systems
- ☒ Replacement of obsolete components & drives
- ☒ Load monitoring & advanced safety systems
- ☒ Automation & smart control integration
- ☒ Energy efficient solutions for optimized performance

SERVICE SUPPORT ADVANTAGE

-  **EXPERIENCED SERVICE ENGINEERS**
highly trained technical specialists
-  **FAST RESPONSE NETWORK**
quick support for urgent operational issues
-  **RELIABLE MAINTENANCE SOLUTIONS**
focused on long-term equipment performance
-  **SAFETY & COMPLIANCE FOCUS**
aligned with modern industrial standards
-  **CUSTOMER-CENTRIC APPROACH**
dedicated long-term service commitment
-  **MAXIMUM OPERATIONAL UPTIME**
through preventive support programs





HIGH CAPACITY
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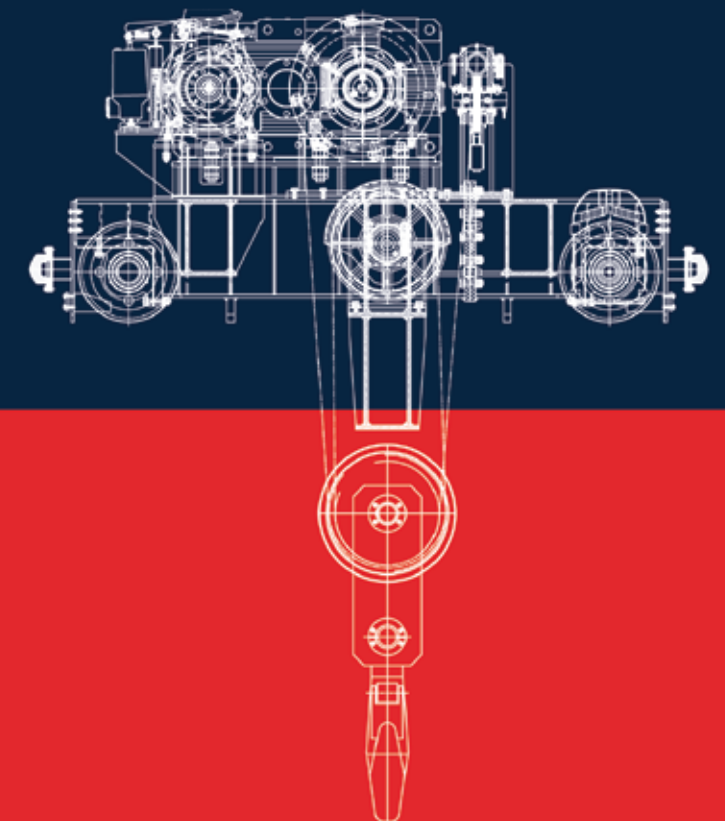
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