Monthly Newsletter

June 2026 | Vol 47

indef BUZZ

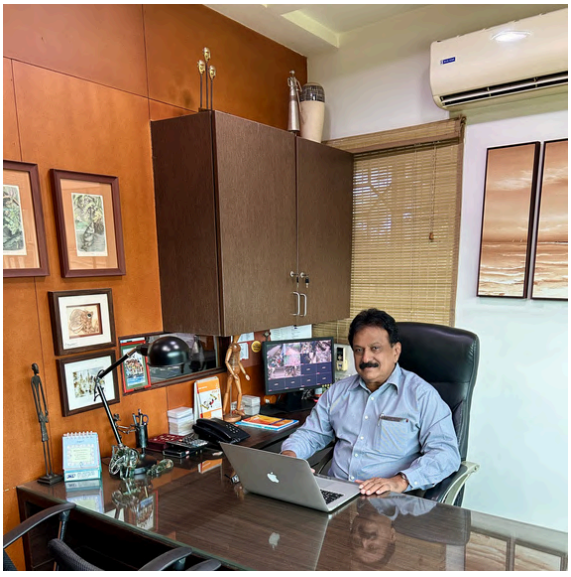
ABP SPEAKS - MOMENTS THAT MATTER

Delivering Reliable Lifting Solutions Across India's Critical Industries

For over four decades, J K L Agencies has been a trusted Authorised Business Partner of Bajaj Indef, building a strong reputation for delivering reliable material handling solutions across some of India's most demanding industrial sectors. Associated with Bajaj Indef since 1985, the partnership has been driven by technical expertise, customer commitment, and consistent execution.

One of the recent milestones has been the successful supply and commissioning of customised lifting solutions for a major naval infrastructure project. The application required hoists to be installed on a monorail with a curved track configuration, demanding precise engineering and seamless installation. The project was completed successfully, and the HC Ultra Short Headroom Hoist has been operating reliably since commissioning, reinforcing confidence in Bajaj Indef's customised lifting capabilities for critical defence applications.

J K L Agencies has also strengthened its presence in the energy and process industry through multiple installations at a leading oil refining facility.



MR. KOSHY ALEX

MANAGING PARTNER

J K L AGENCIES

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The projects involved Flame-proof wire rope for hazardous operating environments across different process areas. The equipment continues to perform satisfactorily, with no operational issues reported, reflecting the reliability and performance expected in safety-critical applications.

Beyond project execution, long-standing customer relationships have been instrumental in the company's growth. A leading tyre manufacturing organisation has consistently partnered with J K L Agencies over the years, with more than 120 Electric Chain Hoists supplied across its operations. Supported by regular preventive maintenance, prompt service response, and customised lifting solutions, the association continues to grow through recurring equipment requirements and strong customer confidence.

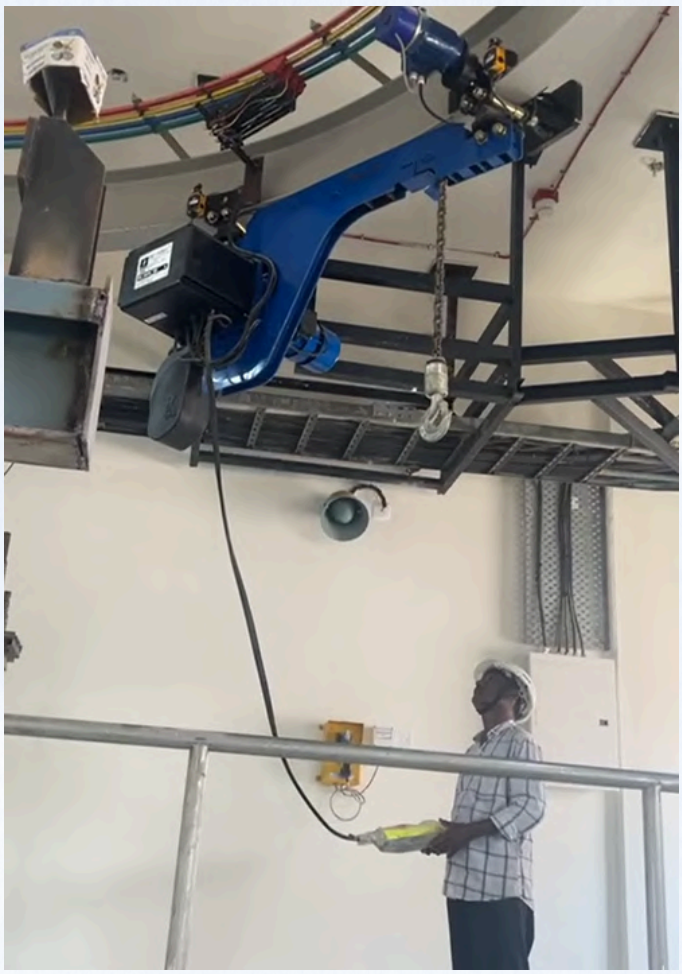
A similar journey has been built with another leading tyre manufacturer, where more than 250 Electric and Wire Rope Hoists have been supplied across multiple manufacturing locations. Repeat bulk orders, regular spare requirements, and continuous customer engagement through technical seminars and application support have further strengthened the partnership, demonstrating the value of long-term service beyond product supply.

Building on this momentum, J K L Agencies is currently supporting a prestigious nuclear power infrastructure project with specialised crane and hoist solutions, further expanding its presence in sectors where safety, reliability, and precision are paramount.

These engagements reflect how sustained customer relationships, dependable after-sales support, and the ability to deliver reliable lifting solutions across diverse applications continue to drive growth for J K L Agencies, strengthening its partnership with Bajaj Indef for over four decades.

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BAJAJ INDEF SUCCESS STORIES

Delivering Compact Lifting Solutions for Advanced Railway Infrastructure

As railway infrastructure projects become increasingly advanced, the equipment supporting them must deliver high performance within compact and space-constrained environments. For manufacturers of specialised railway track-laying machines, every component must be engineered to maximise functionality without compromising reliability or operational efficiency.

A leading manufacturer of specialised railway track-laying machines approached Bajaj Indef with a unique material handling requirement for machines used in railway and high-speed rail infrastructure projects. The application demanded compact hoisting systems that could be installed within highly restricted spaces inside the machine, where conventional hoists could not be accommodated.

Prior to approaching Bajaj Indef, the customer relied on imported hoists supplied by international manufacturers. While these solutions met the application requirements, they resulted in significantly higher procurement costs, longer lead times, and increased operating expenses.

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After thoroughly evaluating the application, we offered a customised HC+ Electric Chain Hoist specifically engineered to suit the available installation space. To achieve the required fitment, we redesigned the lower block assembly and customised the hook configuration, ensuring the hoist could operate efficiently within the confined machine layout without affecting lifting performance.

Another important project requirement was compatibility with the electrical specifications of the rail installation equipment. To meet this need, we customised the hoist to operate on a 220V power supply, enabling seamless integration with the customer's machine and ensuring reliable performance throughout the application.

The customised solution successfully eliminated the customer's dependence on imported hoists while significantly reducing both capital investment and operating costs. Its compact design and application-specific lower block and hook arrangement enabled easy installation within restricted spaces without compromising reliability. The localisation of the solution also improved cost efficiency, reduced procurement complexities, and provided dependable lifting performance for critical railway infrastructure operations. The successful implementation reinforced the customer's confidence in Bajaj Indef's engineering capabilities and established a strong foundation for a long-term business relationship.

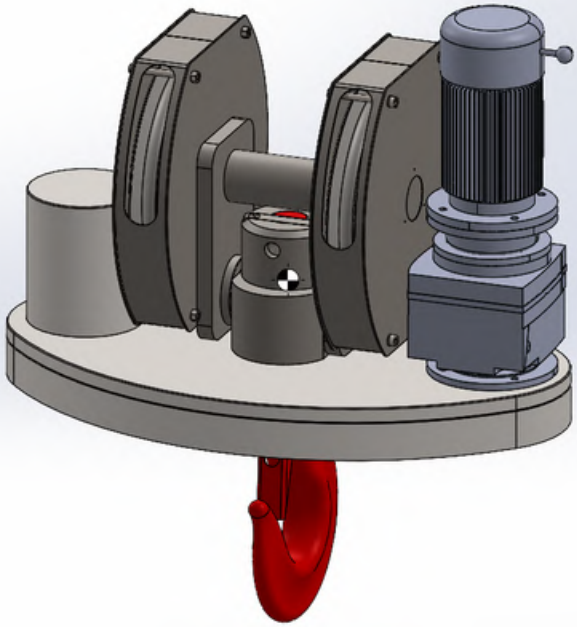


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INSIDE A BAJAJ INDEF SOLUTION



Enabling Precise Steel Coil Handling with a Motorized Rotating Coil Lifter



As part of our commitment to developing application specific material handling solutions, Bajaj Indef engineered a 15 Ton Motorized Rotating Coil Lifter to address a customer's requirement for safer and more precise handling of steel coils. Unlike conventional coil lifters that only facilitate lifting and transportation, this solution was designed to enable controlled 360° rotation of the coil during lifting, eliminating the need for manual intervention and improving operational efficiency.

At the core of the requirement was the need to accurately orient heavy steel coils while transferring them between processing lines, storage areas, and production equipment.

Conventional lifting methods often required additional handling steps or manual adjustments to achieve the desired coil position, increasing cycle time and introducing potential safety risks. To overcome these challenges, the solution integrates a heavy duty C Hook with a motorized rotating hook block, allowing operators to rotate and position the load smoothly while it remains suspended.

The primary engineering challenge was designing a rotation mechanism capable of delivering smooth, controlled, and reliable 360° movement while safely supporting a 15 Ton Safe Working Load. Achieving precise load control without compromising lifting stability, structural integrity, or operational safety required careful mechanical design and robust integration of the rotating drive system with the lifting assembly.

Several key design considerations influenced the development process, including load capacity, rotational stability, structural strength, operator safety, compact equipment dimensions, and ease of maintenance. The solution was engineered to provide accurate load positioning while maintaining stable load distribution throughout the lifting and rotation cycle. Its compact yet rugged construction ensures dependable performance even in demanding industrial environments.

The Motorized Rotating Coil Lifter is ideally suited for steel processing lines, slitting and cut to length lines, rolling mills, steel service centers, warehouses, and metal processing facilities, where precise coil orientation is essential for efficient production flow. By enabling faster loading, unloading, and coil alignment, the solution helps improve productivity while reducing unnecessary handling operations.

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What makes this solution particularly noteworthy is its ability to combine lifting, rotation, and precise load positioning into a single integrated system. Rather than relying on secondary equipment or manual repositioning, the solution provides complete control over coil handling, enhancing workplace safety, reducing cycle times, and delivering the reliability expected from a Bajaj Indef engineered solution.

INDEF UPDATES

CE Certification Reinforces Our Commitment to Global Quality Standards



CERTIFICATE

of conformity
No. 911518

In compliance with requirements for documentation specified in Annex VII, part A and the Essential Health and Safety Requirements in Annex I of the European Parliament and of the Council on machinery, this certificate applies to the machinery device:

Hoists and Crane Components 1.Electrical Chain Hoist, 2.Electrical Wire Rope Hoist, 3.End carriage & Girders, 4.Electrical Control System with panels, 5.Electrical / Manual Trolleys, Manual Hoist

Technical specification: Hoist capacity 0.25 – 60 Ton
Technical file: TMP/EDM/L
Assessment Performed: EMC DIRECTIVE 2014/30/EU, LVD DIRECTIVE 2014/35/EU, MACHINE DIRECTIVE (2006/42/EC)
Category (2006/42/EC - Annex IV): N/A
Applied Standards: EN ISO 12100:2011, EN ISO 60204-1:2018, EN ISO 61000-6-2:2019

produced by or for

INDEF MANUFACTURING LIMITED
Site 1 : 43/2B, 43/3, 45/2, Village Dhamani, Khalapur, Khopoli, Raigad - 410202, Maharashtra, India.

and produced in the manufacturing plant(s)
Site 2 : Gat No. 118/17(P), 118/18(P), Wasuli, Chakan MIDC Phase 2, Khed, Pune - 410501, Maharashtra, India.
The Annex is an integral part of this certificate.

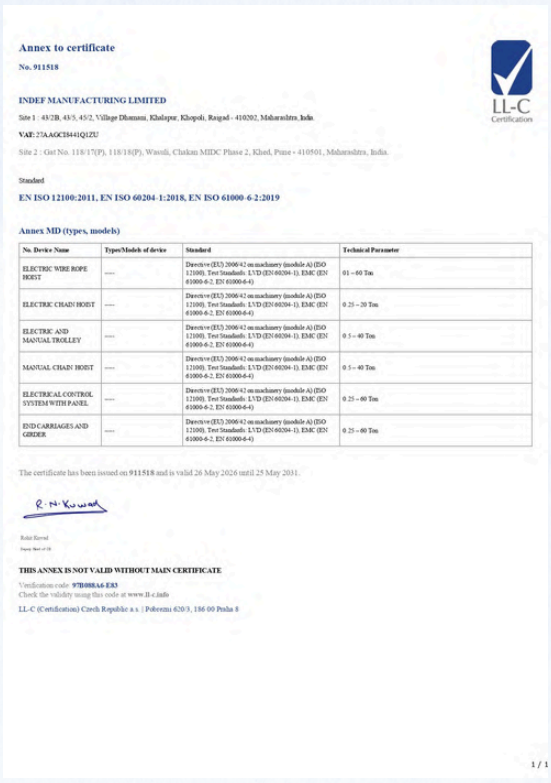
This certificate attests that all provisions described in relevant parts of the standard
EN ISO 12100:2011, EN ISO 60204-1:2018, EN ISO 61000-6-2:2019
are addressed in the accompanying product documentation. The CE mark as shown in the Regulation (EC) No 765/2008 can be affixed, under the responsibility of the manufacturer, after the completion of EC declaration of conformity and compliance all the relevant directives.

The certificate has been issued on 26 May 2026 and is valid until 25 May 2031 and is based on the evaluation of the technical file of the machinery device. The voluntary certification does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the LL-C (Certification). The holder of this certificate may use this certificate together with his EC declaration of conformity. This is not NB statement. The initial certification date of issue is 26 May 2026.

Prague, 26 May 2026
Rohit Kuwad
Deputy Head of CB

Validity verification code at www.ll-c.info: 97B088A6-E83

LL-C (Certification) Czech Republic a.s. | Pobřežní 620/3, 186 00 Praha 8



Annex to certificate
No. 911518

INDEF MANUFACTURING LIMITED
Site 1 : 43/2B, 43/3, 45/2, Village Dhamani, Khalapur, Khopoli, Raigad - 410202, Maharashtra, India.
VAT: 27AAGCI8441Q1ZU
Site 2 : Gat No. 118/17(P), 118/18(P), Wasuli, Chakan MIDC Phase 2, Khed, Pune - 410501, Maharashtra, India.

Standard
EN ISO 12100:2011, EN ISO 60204-1:2018, EN ISO 61000-6-2:2019

Annex MD (types, models)

No. Device Name	Type/Models of device	Standard	Technical Parameter
ELECTRIC WIRE ROPE HOIST	----	Directive (EU) 2006/42 on machinery (module A) (ISO 12100). Test Standards: LVD (EN 60204-1). EMC (EN 61000-6-2, EN 61000-6-4)	01 – 60 Ton
ELECTRIC CHAIN HOIST	----	Directive (EU) 2006/42 on machinery (module A) (ISO 12100). Test Standards: LVD (EN 60204-1). EMC (EN 61000-6-2, EN 61000-6-4)	0.25 – 20 Ton
ELECTRIC AND MANUAL TROLLEY	----	Directive (EU) 2006/42 on machinery (module A) (ISO 12100). Test Standards: LVD (EN 60204-1). EMC (EN 61000-6-2, EN 61000-6-4)	0.5 – 40 Ton
MANUAL CHAIN HOIST	----	Directive (EU) 2006/42 on machinery (module A) (ISO 12100). Test Standards: LVD (EN 60204-1). EMC (EN 61000-6-2, EN 61000-6-4)	0.5 – 40 Ton
ELECTRICAL CONTROL SYSTEM WITH PANEL	----	Directive (EU) 2006/42 on machinery (module A) (ISO 12100). Test Standards: LVD (EN 60204-1). EMC (EN 61000-6-2, EN 61000-6-4)	0.25 – 60 Ton
END CARRIAGES AND GIRDER	----	Directive (EU) 2006/42 on machinery (module A) (ISO 12100). Test Standards: LVD (EN 60204-1). EMC (EN 61000-6-2, EN 61000-6-4)	0.25 – 60 Ton

The certificate has been issued on 911518 and is valid 26 May 2026 until 25 May 2031.

Rohit Kuwad
Deputy Head of CB

THIS ANNEX IS NOT VALID WITHOUT MAIN CERTIFICATE

Verification code: 97B088A6-E83
Check the validity using this code at www.ll-c.info

LL-C (Certification) Czech Republic a.s. | Pobřežní 620/3, 186 00 Praha 8

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We are pleased to announce that Bajaj Indef has successfully received the CE Certification for a wide range of our material handling solutions, reaffirming our commitment to delivering products that meet internationally recognized standards for quality, safety, and performance. Valid from 26 May 2026 to 25 May 2031, the certification covers our Electric Wire Rope Hoists, Electric Chain Hoists, Manual Chain Hoists, Electric and Manual Trolleys, Electrical Control Systems with Panels, and End Carriages & Girders across multiple capacity ranges. The certification also confirms compliance with key European standards, including EN ISO 12100, EN 60204-1, and EN 61000-6, ensuring adherence to stringent machinery safety, electrical safety, and electromagnetic compatibility requirements.

This milestone further strengthens Bajaj Indef's position as a trusted provider of globally compliant material handling solutions. By meeting internationally accepted regulatory requirements, we continue to enhance customer confidence while supporting industries with reliable, safe, and high-performance lifting equipment for both domestic and international applications. It reflects our unwavering commitment to engineering excellence, continuous quality improvement, and delivering solutions that meet the evolving expectations of customers across global markets.

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Strengthening Connections Through Leadership Engagement



We were privileged to welcome Mrs. Pooja Bajaj, Director, Bajaj Indef, to our Khalapur manufacturing facility for an engaging visit that reflected our shared commitment to excellence and continuous growth. Accompanied by Mr. Vanraj Bajaj, she spent time interacting with teams across the facility, gaining valuable insights into our products, manufacturing capabilities, quality systems, and the strengths that define Bajaj Indef.

The visit also included detailed interactions with the SWIFT and Daedalus teams, providing an opportunity to showcase our expanding portfolio of material handling solutions, ongoing strategic initiatives, and future growth plans.

What made the visit especially meaningful was the genuine interest shown in understanding the business at every level. By engaging with employees across functions, interacting with the leadership team, and reviewing key initiatives, Mrs. Bajaj offered valuable perspectives, thoughtful guidance, and words of encouragement that inspired our teams.

Such leadership engagements strengthen collaboration, reinforce our commitment to innovation and operational excellence, and motivate us to continue delivering reliable material handling solutions that create lasting value for our customers.









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LATEST DEVELOPMENTS IN MATERIAL HANDLING

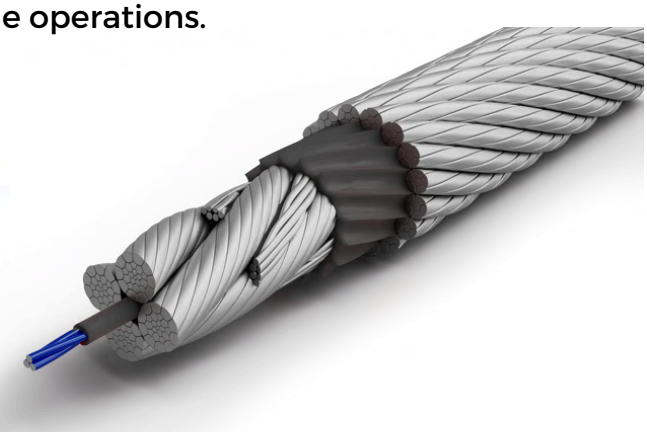
SMART WIRE ROPES ARE BRINGING DATA INTO LIFTING OPERATIONS

Wire ropes are evolving beyond their traditional role as load bearing components to become intelligent data transmission systems. This marks a significant step towards smarter lifting operations, where the rope itself becomes part of the crane's digital infrastructure.

TEUFELBERGER has introduced Evolution TK® Data, an innovative wire rope that combines rotation resistant lifting performance with an integrated optical waveguide. This enables seamless data transmission through the rope itself, eliminating the need for separate communication cables while protecting the optical fibre from mechanical damage.

The solution is particularly suited for multi layer spooling applications in construction and offshore lifting, where reliable data communication and simplified installation are equally important. This innovation reflects a broader industry trend towards smart lifting systems, integrated connectivity, and digitally enabled crane operations.

seeklogo.com







teufelberger.com

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ANTI-SWAY TECHNOLOGY IS IMPROVING CRANE SAFETY AND PRODUCTIVITY

Modern crane technology is increasingly focused on improving load stability, operator productivity, and workplace safety through intelligent motion control systems. Uncontrolled load sway not only slows operations but also increases the risk of collisions, equipment damage, and operator fatigue, particularly in high throughput manufacturing environments. PAR Systems has developed EXPERTOPERATOR™, a sensorless anti sway crane control system that uses predictive algorithms to automatically minimize payload swing without requiring additional sensors or manual adjustments for hook height, sling length, or load. The system converts operator commands into optimized crane movements, allowing even less experienced operators to perform with the precision of seasoned professionals.

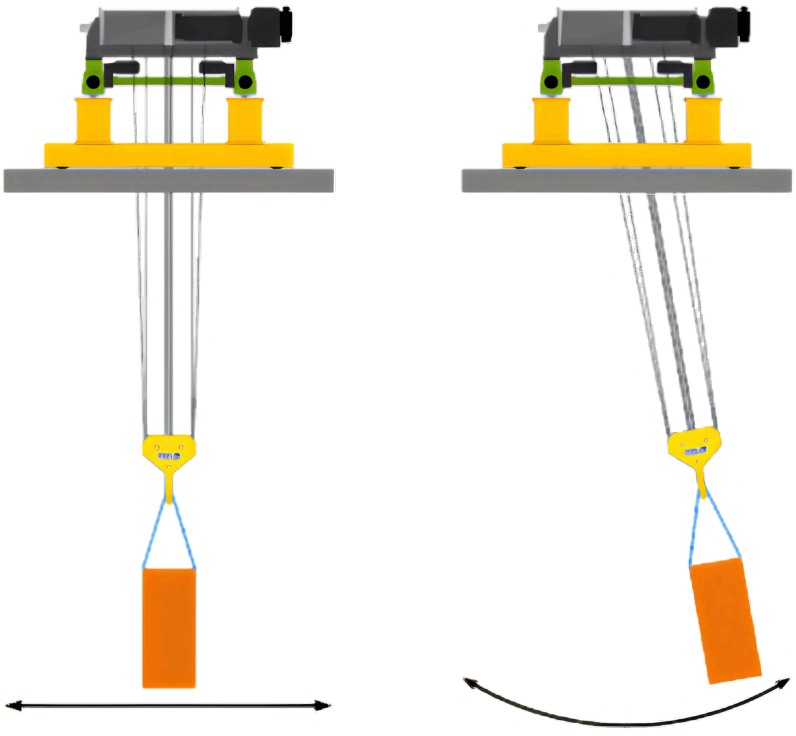
The technology has been proven to reduce payload sway by 85 to 95%, improve cycle times by up to 40%, enhance load placement accuracy, and significantly reduce operator training requirements. Because it integrates seamlessly with existing VFDs, radio controls, and pendant controls, installation can typically be completed within a day, minimizing operational downtime. The reduction in unnecessary crane starts and stops also contributes to lower maintenance requirements and extended crane life.

This development reflects the industry's growing shift toward automation assisted crane control, intelligent motion management, and productivity driven material handling, where advanced software is helping improve both operational efficiency and workplace safety without major hardware modifications.

PAR SYSTEMS

par.com





groupeindustrielpremium

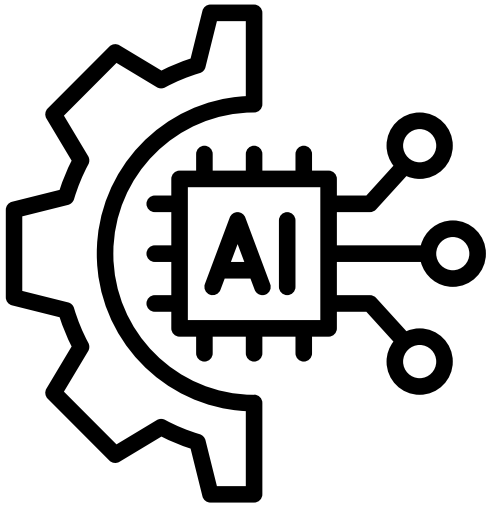
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AI-POWERED UNMANNED EOT CRANES ARE REDEFINING MATERIAL HANDLING OPERATIONS

nexcom.com







Industrial material handling is steadily moving toward AI enabled autonomous crane systems that improve safety, productivity, and operational continuity. By combining machine vision, intelligent control, and real time analytics, modern EOT cranes are increasingly capable of performing complex lifting tasks with minimal operator intervention.

NEXCOM has showcased an unmanned EOT crane system powered by its NISE 3910E industrial AI platform, enabling automated steel coil handling in demanding steel mill environments. The solution integrates high resolution cameras, 3D scanners, AI based machine vision, PLCs, and HMIs to identify load positions, calculate optimal lifting paths, and automatically execute crane movements with high precision.

Beyond automating lifting operations, the system continuously monitors critical crane components such as motors, gearboxes, and brakes, enabling predictive maintenance and early fault detection. AI driven logistics optimization further improves warehouse operations by automatically planning storage locations, optimizing lifting sequences, and reducing unnecessary crane movements. Since deployment, the automated system has completed more than 60,000 lifting cycles and handled over 300,000 steel coils, demonstrating the growing maturity of autonomous crane technology.

-

This development reflects a broader industry shift toward AI driven automation, predictive maintenance, intelligent logistics, and safer unmanned crane operations, helping manufacturers improve equipment utilization while reducing downtime and operational risk.

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HOIST CHAINS 101: THE ESSENTIAL GUIDE TO LIFTING SAFETY & EFFICIENCY

Chains are the mechanical backbone of material handling, divided into control and weight-bearing components. Selecting the correct alloy grade and adhering to rigorous maintenance standards is the only way to ensure operational safety and equipment longevity.

HAND CHAIN VS. LOAD CHAIN

HAND CHAIN

Thinner, low-carbon steel used to transmit motion to the hoist's internal lifting gears.



LOAD CHAIN

High-strength alloy steel engineered to bear the full weight of the lifted object.



MATERIAL GRADES AND PERFORMANCE



ALLOY STEEL (GRADES 80, 100, 120)

The industrial standard for overhead lifting offers a 20% elongation safety margin before breakage.

CHAIN GRADE COMPARISON

CHAIN GRADE	KEY ADVANTAGE	USAGE CONTEXT
Grade 80	Heat Resilience	Steel mills and heavy-duty sling assemblies
Grade 100	25% Strength-to-weight	25% stronger than G80 with superior abrasion resistance.
Grade 120	High Maximum Capacity	Superior strength via larger link cross-sections for rare, high-load tasks

SPECIALTY ENVIRONMENT SOLUTIONS



STAINLESS
For corrosion



GALVANIZED
For moisture



SPARK-PROOF
For explosive atmospheres

SAFETY RISKS & BEST PRACTICES



THE HIGH COST OF "LOW-COST" CHAINS

Substandard chains lead to unexpected downtime, premature wear, and high replacement costs.

THREE PILLARS OF CHAIN MAINTENANCE



Proper storage (clean/dry)



Regular Inspections



Never exceeding specified load capacity

The Manufacturer Advantage

Buying from the original equipment manufacturer ensures seamless compatibility and protects your equipment warranty.

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SAFETY THAT ENHANCES CRANE AND HOIST PERFORMANCE

Smart Operator Controls That Improve Safety and Confidence

Safe material handling depends not only on the equipment but also on how effectively the operator can control it. Limited visibility, operator fatigue, and delayed response during critical situations can impact lifting accuracy and workplace safety.

Advanced operator control systems are designed to give operators greater precision, comfort, and control while incorporating fail-safe mechanisms that respond instantly during unsafe situations. Together, these features help create a safer and more efficient lifting environment.

Joystick Type RRC / Arm Chair / Master Controller

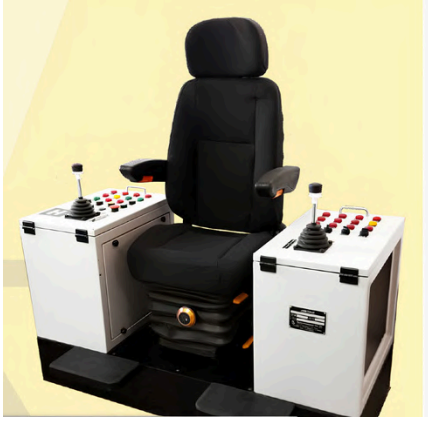
What it is:
Advanced operator control systems are designed to provide precise, responsive, and ergonomic control of crane movements from a safe and comfortable operating position.

Where and why it is used:
Used in industrial lifting applications where better operator visibility, remote operation, and precise motion control are essential. These systems are particularly valuable in manufacturing plants, heavy engineering facilities, fabrication shops, and other environments involving frequent or complex lifting operations.

How it benefits operations:
Enables safer crane operation from a distance, improves operator comfort and control precision, reduces fatigue during extended operating hours, and enhances overall handling safety, accuracy, and productivity.







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Dead Man Switch

What it is:
A fail-safe safety switch that automatically stops crane or hoist operation the moment the operator releases the control, ensuring immediate interruption of movement during unsafe or emergency situations.

Where and why it is used:
Used in crane and hoist control systems where immediate stopping capability is critical for protecting personnel, equipment, and the load. It is particularly important in applications involving continuous operator control or environments where rapid response to unexpected situations is essential.

How it benefits operations:
Ensures immediate stopping of equipment upon release of the control, reduces the risk of unintended crane movement, enhances operator and workplace safety, and improves emergency response capability during critical lifting operations.







Empowering Operators for Safer Material Handling

Advanced operator control features are more than convenience enhancements—they are essential safety enablers for modern lifting operations. By combining ergonomic controls with fail-safe protection, these technologies help operators work with greater confidence, precision, and control while minimizing operational risks.

With application-specific control solutions, Bajaj Indef continues to enhance the safety, reliability, and efficiency of hoist and crane operations across diverse industrial environments.

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INDUSTRY TRENDS

MARUTI SUZUKI TO ESTABLISH ADVANCED MANUFACTURING LABS AT FIVE GUJARAT ITIS

Maruti Suzuki India has signed a Memorandum of Understanding (MoU) with the Directorate of Employment and Training (DET), Government of Gujarat, to establish Advanced Manufacturing Labs (AMLs) at five Industrial Training Institutes (ITIs) in Palanpur, Bhavnagar, Surendranagar, Godhra and Dahod. Developed under the company's CSR programme, the labs will provide hands-on training in assembly, welding, painting, machining, mechatronics and workplace safety to create an industry-ready workforce. The initiative comes as Maruti Suzuki expands its manufacturing footprint in Gujarat, with the fourth production line at Hansalpur increasing annual capacity from 7.5 lakh to 10 lakh units, alongside a new 10 lakh-unit plant at Sanand, taking the company's total manufacturing capacity in Gujarat to 20 lakh vehicles annually.

cdnlogo.com



automotiveworld.com

NIFCO EXPANDS INDIA FOOTPRINT WITH FOURTH MANUFACTURING FACILITY IN MAHARASHTRA

Japan-based NIFCO Inc., through its Indian subsidiary NIFCO India, has secured a long-term lease for a 5.13-acre industrial plot at Inspira Realty's industrial and warehousing park in Shendra MIDC, Chhatrapati Sambhajinagar, Maharashtra. The upcoming facility will be the company's fourth manufacturing plant in India and will focus on producing automotive fastening systems and plastic components for domestic and global OEMs. The leased development spans 2.23 lakh sq. ft., making NIFCO the third Japanese manufacturer to establish operations at the industrial park.

nifcochina.com



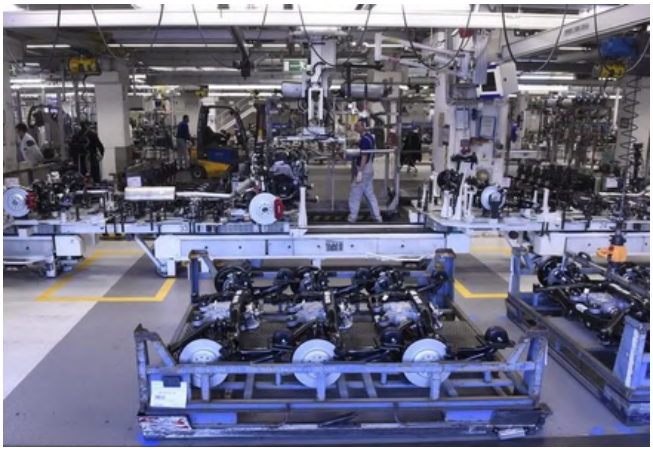
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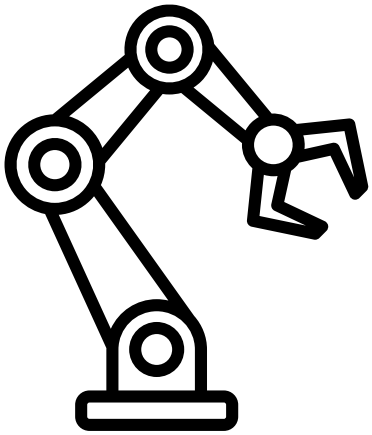
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₹62.6-CRORE CAPEX MARKS SONA COMSTAR'S EXPANSION INTO ADVANCED ROBOTICS

Sona BLW Precision Forgings (Sona Comstar) has approved a capital expenditure of ₹62.6 crore to establish manufacturing capabilities for advanced robotics components and systems, marking its entry into the robotics sector. The investment will be used to set up dedicated production lines as the company expands beyond its core automotive business into industrial automation. The move builds on Sona Comstar's growing robotics strategy following its partnership with Germany's NEURA Robotics, while leveraging its expertise in precision engineering, electric motors, gear systems and driveline technologies.

SONA COMSTAR





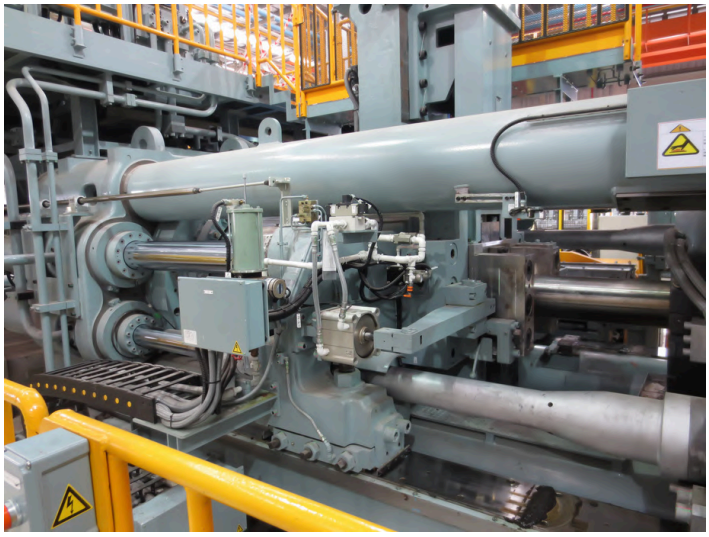
facebook.com

MR. RAJNATH SINGH INAUGURATES 10,000-TONNE ALUMINIUM EXTRUSION PRESS PROJECT AT YIL

Defence Minister Mr. Rajnath Singh has laid the foundation stone for a 10,000-tonne aluminium extrusion press at Yantra India Limited's (YIL) Ordnance Factory Ambajhari in Nagpur. The state-of-the-art facility will manufacture large aluminium alloy profiles for defence, aerospace, missile and strategic sectors, significantly reducing India's dependence on imports for critical components.

यंत्र इंडिया लिमिटेड
भारत सरकार का उद्यम, रक्षा मंत्रालय
YANTRA INDIA LIMITED
A Govt. of India Enterprise, Ministry of Defence

yantraindia



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JEH AEROSPACE SIGNS MULTI-MILLION-DOLLAR PACT WITH SOLESTRA TO EXPAND AEROSPACE MANUFACTURING

Jeh Aerospace has signed a multi-year, multi-million-dollar agreement with North America-based Solestra Group and inaugurated a dedicated Global Manufacturing Center (GMC) at its Hyderabad facility. The centre will function as an exclusive production hub for Solestra, manufacturing high-precision mechanical systems and components for aero-engine and aircraft applications. Built on Jeh Aerospace's digitally integrated manufacturing model, the facility is expected to improve production scalability, accelerate new product introductions and strengthen global aerospace supply chains.



jeh.aero/

NLC INDIA AND IOCL PARTNER TO ACCELERATE RENEWABLE ENERGY PROJECTS IN TAMIL NADU

NLC India Limited (NLCIL) and Indian Oil Corporation Limited (IOCL) have signed a Memorandum of Understanding (MoU) to establish a 50:50 joint venture for developing large-scale renewable energy projects across Tamil Nadu. The proposed JV will identify, develop and implement solar, wind, hybrid and energy storage projects, leveraging NLCIL's expertise in renewable power generation and IOCL's energy infrastructure capabilities.

iocl companieslogo

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N.A.N. GREENMET AND SILOX FORM JV FOR 40,000-TPA BATTERY RECYCLING FACILITY IN ANDHRA PRADESH

N.A.N. GreenMet and Belgium-based Silox Group have formed N.A.N. Silox GreenMet Pvt. Ltd., a 50:50 joint venture, to establish a lithium-ion battery recycling and critical minerals recovery facility in Andhra Pradesh. The project will be developed in two phases, with a processing capacity of up to 40,000 tonnes per annum (TPA) of spent battery shredding and 20,000 TPA of hydrometallurgical processing. The facility will recover critical minerals such as lithium, cobalt, nickel and manganese from end-of-life batteries sourced from electric vehicles, consumer electronics and energy storage systems, supporting India's growing battery manufacturing and circular economy ecosystem.



innovationnewsnetwork



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INDIA LAUNCHES FIRST WIND TURBINE SUPPLY CHAIN PORTAL TO STRENGTHEN DOMESTIC MANUFACTURING

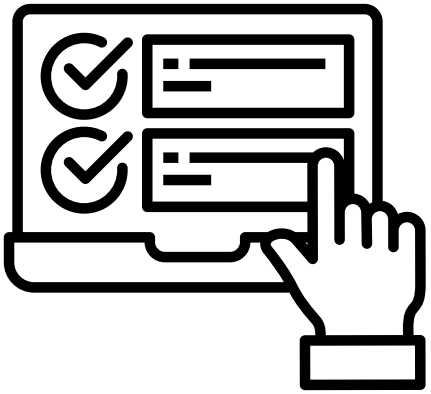
The Ministry of New and Renewable Energy (MNRE), in collaboration with the Indian Wind Turbine Manufacturers Association (IWTMA), has launched WT-MARUT, India's first dedicated Wind Turbine Supply Chain Management Portal. The digital platform is designed to improve supply chain visibility, facilitate supplier discovery, strengthen compliance with domestic sourcing requirements under the Approved List of Models and Manufacturers (ALMM) framework, and enhance export readiness for Indian manufacturers.



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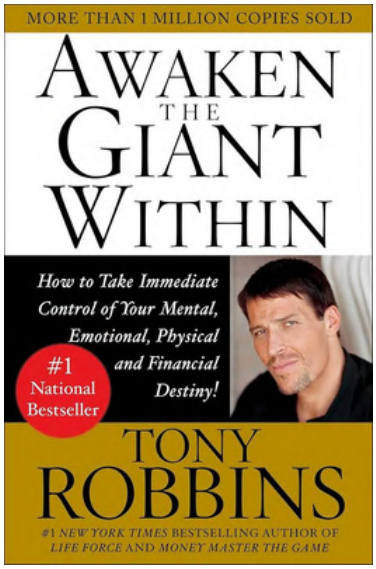
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INDEF READS

AWAKEN THE GIANT WITHIN - HOW TO TAKE IMMEDIATE CONTROL OF YOUR MENTAL, EMOTIONAL, PHYSICAL, AND FINANCIAL DESTINY!



Awaken the Giant Within by Tony Robbins is a practical guide to unlocking your full potential by taking control of your decisions, beliefs, emotions, and actions. The book emphasizes that lasting success is not determined by circumstances, but by the choices we make and the standards we set for ourselves. Through proven strategies and actionable frameworks, Robbins shows how small but intentional changes can create extraordinary results in both personal and professional life.

At the heart of the book is the belief that every individual has an untapped inner potential or a "giant within." By replacing limiting beliefs with empowering ones, mastering emotions, and committing to continuous improvement, anyone can create lasting change and achieve meaningful success.

Key Learnings:

👉 Your decisions shape your destiny
👉 Replace limiting beliefs with empowering ones
👉 Master your emotions to improve your actions
👉 Raise your standards to create lasting change
👉 Commit to continuous improvement every day

Awaken the Giant Within reinforces that true transformation begins from within. By taking ownership of your mindset, emotions, and daily decisions, the book provides a practical roadmap for achieving personal excellence, building resilience, and creating long-term success in every aspect of life.

Comic Strip



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