

### **CHAIRMAN**

Lalan Group is a diversified conglomerate with expertise in over 12 sectors and has been in operation since 1940 with branch offices in UK and USA. Lalan has an extensive global network encompassing pan-industry interests in rubber, tea and other plantation crops (such as cardamom, cinnamon and coffee) Reforestation, renewable energy. manufacturing and service industries, engineering and the leisure sector

The engineering services are the flagship subsidy of the Group. The Group which started primarily as a rubber commodity trading operation three generations ago in Sri Lanka has expanded, developed and modernized its operational modalities in keeping with global changes. Astute recognition of business opportunities and consolidation of the value chain have been the main catalysts in identifying strategic imperatives for growth. Built into this expansion since inception, is an extraordinary focus on sustainable practices which are far in excess of industry standards and compliance. Quality and customer-centricity take precedence in Lalan's customer relations, with an accent on developing long term relationships underpinned by Lalan's solid reputation and values.

LALITH HAPANGAMA CHAIRMAN - LALAN GROUP





### CEO

An alumnus of IMB and Engineering from India possesses over 25 years of experience in various fields such as Manufacturing, Sales & Services, and Marketing in Sri Lanka and Overseas. He has represented organizations such as JK Synthetics, Welspun Group, Thermax Ltd, Midas Safety, and is presently associated with Lalan SR Automation System (Pvt) Ltd & Lalan Engineering (Pvt) Ltd.

Lalan SR Automation System (Pvt) Ltd was established in 2020 and has since played a major role in the field of Industrial & Process Automation by supplying Automation Spares and providing Consulting services in association with Siemens. The company, committed to delivering superior service to its customers, has been restructured and reinforced with qualified and experienced professionals at all levels.

Our distinguishing features include technical excellence, integrity, high quality, and value-added services to customers in Sri Lanka. Our extensive association with the industry and the country equips us with a unique ability to understand customer requirements and provide suitable solutions. With the continued support of our existing clientele, we aim to reach even greater heights.

In an era of highly competitive environments and rapidly changing technology, Lalan SR Automation System (Pvt) Ltd aims to play a pivotal role in providing cost-effective solutions in the realm of Industrial & Process Automation segments.

RADESH CHIGULLAPALLI CEO/DIRECTOR - LALAN SR AUTOMATION SYSTEMS (PVT) LTD. LALAN ENGINEERING (PVT) LTD.

### **JV PARTNER**

In the dynamic landscape of today's industries, the demand for innovative solutions that enhance efficiency, reliability, and sustainability has never been greater. At Lalan SR Automation System, we are at the forefront of this revolution, providing cutting-edge industrial automation solutions designed to propel your business into the future.

As the founder and director of SR Systems Pvt Ltd, Mumbai, I am pleased to share that delivering top-notch automation solutions as Siemens' leading systems house in Mumbai for 25 years has been our accomplishment. This journey is rooted in over 20 years of experience as a former Siemens employee in automation.

The commitment to innovation, reliability, and customer-focused service has been the driving force. Strong partnerships have been forged, and the incorporation of the latest technology has set new industry standards. Moreover, the partnership with Lalan Engineering Pvt Ltd will undoubtedly support the automation industry in Sri Lanka, given the significant technical team involved.

RAVINDRA RANADE DIRECTOR OF LALAN SR AUTOMATION SYSTEMS (PVT) LTD.



### **COMPANY PROFILE**

Lalan S R Automation Systems, a subsidiary of the Lalan Group of Companies, is a joint venture between Lalan Engineering Pvt Ltd, Sri Lanka, and Ranade's SR Systems Pvt Ltd, India. We focus on delivering Industry 4.0 automation solutions with a strong commitment to technical excellence, integrity, and quality service. We are proud to be appointed as an Authorized Representative for Siemens Ltd. for their Automation and Drives products in Sri Lanka. With over 25 years of experience, our Indian JV partner is a long-standing Authorized System House for Siemens, known for industrial automation and engineering services.

Our expertise includes the selection and supply of Siemens products such as PLCs, HMIs, SCADA, VFDs, and Servo Drives, along with system design, software development, commissioning, and technical support. We also handle turnkey automation projects, providing end-to-end solutions from concept to completion.

In addition, Lalan S R Automation Systems is the Authorized Channel Partner for ABB Robotics in Sri Lanka and has partnered with GOAT Robotics to offer cutting-edge Autonomous Mobile Robots (AMRs) and Automated Guided Vehicles (AGVs), enabling smart, efficient intralogistics and material handling solutions.













### **VISION**

To be a preferred partner of our customers in the field of Energy & Environment, Process & Project Management through our innovative & sustainable engineering solutions

### **MISSION**

Proactive approach to Customer's needs & maximization of stakeholder's interest.

### WHY US?

We have been able to be counted among the leading firms of this domain due to our qualitative products and services. Our transparency in dealing and ethical trade practices has enabled us to gain the confidence of large number of patrons across the world. Apart from these, there are varied other factors that are considered to be of utmost importance behind the enormous success of our organization.

Our project methodology has enabled clients with consistent project execution, reduced concept to delivery times, reduced start-up times and overall reduced project costs. Business philosophy is to exceed the customer's expectations while providing an efficient, cost effective solution.

### **PRODUCT & SERVICES**



### **Authorized Solution Provider for Siemens Automation Product**

- PLCs & HMIs
- Motors, VFDs & Servos
- Programming Software's

### **Authorized Value Provider for ABB Robotics**

- Supply of ABB Robots/Cobots/AMRs
- Turnkey Project Execution, including design, integration, and commissioning

### Manufacture, Installation, Commissioning & Servicing of Conventional Electrical Control Panels

- VFD Panels
- PLC Panels
- MCC Panels ,Control Desk etc.

### Application software development, installation & Commissioning

- PLC, HMI, SCADA Systems
- AC-DC drives, Servo drive

### Up-gradation of machine and retrofitting and control system migration

- Software Upgradation
- Hardware Upgradation
- Non Siemens to Siemens Conversion

### 24x7 Machine Breakdown support

- PLC/ HMI / SCADA/ VFD/ SERVO/Based Breakdown Support
- Annual Maintenance Contracts (AMC)

### **Panel Air Conditioners**

 Authorized distributor for Advance Cooling Systems Pvt Ltd in Sri Lanka for Panel coolers

### **INDUSTRIES WE CATER TO**

By serving the flawless range of Automation product and services, we successfully cater to diverse industries such as

FMCG/Food Cement

**Textile** Tire manufacturing

**Automotive** Iron/Steel **Glass** Universities

**Petrochemicals & Fertilizers** Machine manufacturer

**Pharmaceutical Plant Manufacturer** 

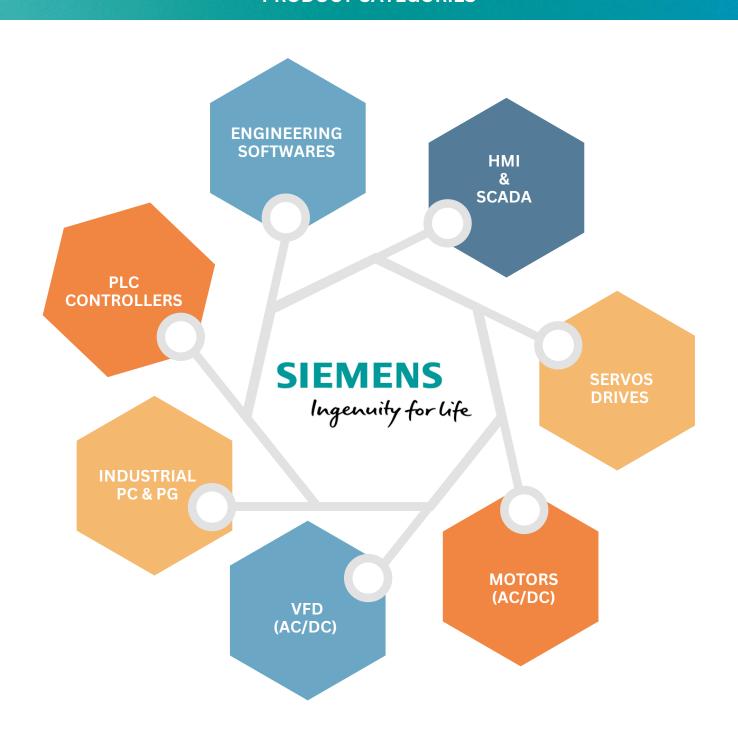
Chemical **Packaging Printing Plastic** Robots/AGV/AMR **Furnace** 

The products, we supply, are demanded widely due to the efficient

performance and long service life.



### **PRODUCT CATEGORIES**



### **PRODUCT RANGE**



### LOGO! Series

Perfect for smaller automation tasks and simple control applications



### **ET 200SP**

Distributed automation components



### **S7-1200 Series**

Ideal for compact automation tasks, providing a cost-effective solution with integrated communication



### S7-400 Series

Suited for large and complex applications, delivering high processing power and connectivity



### S7-300 Series

Designed for mid-range applications with a wide range of communication options.



### **S7-1500 Series**

Offering high performance and scalability for complex applications, ensuring longterm reliability

# FD RANGE



### SINAMICS V20

Compact and cost-effective, designed for basic applications while ensuring reliability.

Range: 0.12 kW to 30 kW



### SINAMICS G120

A versatile drive designed for various applications, offering modular functionality for customization.

Range: 0.55 to 250 kW



### **SINAMICS G130**

A chassis unit for variablespeed drives in machine building and plant construction.

Range: 110 kW to 800 kW



### SINAMICS G120X

Ideal for infrastructure and industrial applications, providing reliable control and energy efficiency.

Range: 0.75 kW to 630 kW



### SINAMICS S120

A high-performance drive suitable for complex motion control applications, providing flexibility and precision

Range: 1.6 kW to 107 kW



### SINAMICS DCM

Robust DC converter modules for drive solutions demanding high performance and reliability.

Range: 2.2 kW to 30 MW

### **PRODUCT RANGE**



### **Key Panels**

Compact and user-friendly, these key panels are suitable for simple machine control tasks



### **Operator Panels**

These panels provide a balance between performance and cost, making them suitable for a wide range of applications



### **Basic Panels**

These cost-effective HMIs provide essential functionality for basic applications, ensuring reliability and simplicity.



### **Comfort Panels**

These high-performance HMIs are ideal for demanding applications, offering advanced visualization and control capabilities



### **Mobile Panels**

Designed for mobile and flexible operation, these panels enable control from anywhere within the network



### **Unified Panels**

stylish, extremely fast, flexible to use, and offer limitless opportunities for visualization.

## RANGE

### S Servomotors

These high-performance servomotors are designed for demanding applications, providing precision and speed.



### SIMODRIVE Servo Drives

Offering advanced control for your servomotors, these drives ensure accuracy and reliability



### S120 Servo Drives

These drives are designed for demanding motion control applications, delivering flexibility and precision.





### **Motion Controllers**

Providing advanced motion control capabilities for complex applications, these controllers are highly adaptable.



### SINUMERIK CNC Systems

Ideal for machine tool applications, these CNC systems ensure precision and efficiency.



### SINAMICS DCM

Robust DC converter modules for drive solutions demanding high performance and reliability.

### **PRODUCT RANGE**

### SANGE

### **SIMOTICS Motors**

High-performance motors suitable for a wide range of applications, offering efficiency and precision

## MOTOR



SIMOTICS T Motors

Compact and energyefficient motors designed for challenging applications.



### SIMOTICS Servomotors

Precision servomotors designed for demanding motion control applications, ensuring accuracy and flexibility.



### SIMOTICS HV Motors

High-voltage motors for heavy-duty industrial processes, offering power and durability.



### **SIMOTICS Main Motors**

Ideal for a variety of drive applications, these motors offer high reliability and efficiency.



### SIMOGEAR gear motors

offers a complete range of geared motors in all gear unit types with a wealth of product advantage as part of the most comprehensive, integrated drive.

## TI TI er bi au pl



### TIA Portal

TIA Portal is a unified engineering framework that brings together various automation tasks into a single platform.



### WINCC (flexible/RT/Unified/Pro)

comprehensive automation solutions, contributing to the efficiency, safety, and reliability of industrial processes across a wide range of industries.



### Simatic Manager - v5.X

A powerful engineering tool designed for the configuration, programming, and maintenance of Siemens' Simatic PLCs (Programmable Logic Controllers).



### PM Analysis

offering a proactive and datadriven approach to equipment maintenance.



### WINCC Classic - 7.X

continues to be a foundational tool in the field of SCADA, contributing to the efficiency, safety, and reliability of industrial automation systems.



### PCS - 7

A leading process control system that empowers industries to achieve operational excellence through advanced automation and control.

### **ABB Robotics: Innovating the Future** of Automation



At ABB Robotics, we are transforming industries with our advanced robotic systems, designed to meet the unique challenges of today's digital and automated world. From manufacturing to logistics and services, our robots redefine precision, efficiency, and safety in a wide range of applications. With decades of expertise in automation, we offer a broad portfolio of robots to suit every industry need. Whether it's high-speed assembly, material handling, or collaborative work, ABB's solutions empower businesses to stay ahead of the competition.

### **Product range**

Wide variety of robots to fit all needs

### **Articulated robots**

ABB's comprehensive 6-axis articulated robot portfolio delivers the ideal solutions for use in material handling, machine tending, welding, cutting, assembling, dispensing, and polishing applications. Best-in-class motion control enables increased speed and accuracy thanks to QuickMove and TrueMove.



### **SCARA** robots

Quick, precise, and reliable, ABB's SCARA robots are ideal for customers requiring rapid cycle times, high precision, and high reliability for material handling, loading & unloading, picking & placing, and small part assembly & testing applications.



### Collaborative robots

ABB's collaborative robots are made for a wide range of tasks, in operations of every size. They're easy to set up, program, operate, and scale. Built by industry-leading experts. And serviced by the broadest service network in the industry. Whatever you need, we're here to support every step of your automation journey.



### Palletizer robots

ABB's 4-axis palletizer robots are the fastest in the market. Designed for shortening cycle times and raising productivity for end-of-line, multifeed-in/-out, and bag palletizing.



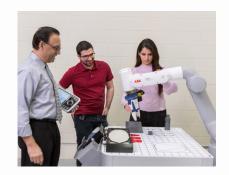
### Delta robots

ABB's Delta robot portfolio is the leader in stateof-the-art high-speed robotic picking and packing technology for use in the picking, packing, and packaging applications. Our delta robots offer the greatest flexibility in a compact footprint.



### **Education Package**

The ABB Robotics Education Package is a ready-to-use training kit that equips students with key skills and knowledge in robotics and automation, preparing them to excel in a future of work where robots are as common as laptops today.



### RobotStudio® Suite: Visualize your ideas and reduce commissioning time

RobotStudio® is the world's most popular offline programming and simulation tool for robotic applications. Based on the best-in-class virtual controller technology, RobotStudio suite gives you full confidence that what you see on your screen matches how the robot will move in real life. Enabling you to build, test and refine your robot installation in a virtual environment, this unique technology speeds up commissioning time and productivity by a magnitude.



### SLAM Based Autonomous Mobile Robot

GT 100/250/400









Cobot
Shelf
Lifting

Conveyor

A 100/250/400kg Payload Industrial Robot For Material Management, Adaptable To Any Application Layer, Features Robust Construction And Modular Design. It Accommodates Heavy Loads Using Powerful Motors And Actuators (If Lifting Operation Is Required). The Robot Supports Various End Effectors, Facilitating Diverse Tasks. Equipped With A Sophisticated Control System. It Can Be Used For Seamless Integration With External Devices And Systems If Needed. Safety Measures Include Obstacle Avoidance And Emergency Stop Functionalities. Connectivity With Wi-Fi Enable Seamless Communication With Manufacturing Environments. Designed For Scalability And Flexibility, It Effortlessly Integrates Into Evolving Industrial Setups, Enhancing Efficiency And Adaptability Across Sectors.



SLAM Capability
Dynamic Path Planning



Precise Localization ±5 Cm



Robust Construction
Designed For Industry Use



Obstacle Avoidance 15 Cm

Manufacturing: Streamlines material handling tasks on assembly lines, aiding in loading and unloading heavy components.

**Automotive:** Assists in vehicle assembly processes, handling large components and sub-assemblies.



No Need Of New Alteration During Deployment

**Warehousing:** Optimizes inventory management by efficiently moving and organizing pallets and containers.

**E-commerce:** Improves order fulfillment processes in e-commerce warehouses by automating picking, packing, and shipping tasks.



Carrying Capacity Options 100/250/400 Kg

**Aerospace:** Supports manufacturing processes by transporting aircraft parts & materials within production facilities.

**Logistics:** Enhances distribution processes by automating order picking, packing, and sorting operations.

**Pharmaceuticals:** Enhances efficiency in pharmaceutical manufacturing by automating material handling and product packaging.

**Food and Beverage:** Facilitates packaging, palletizing, and sorting tasks in food processing plants and beverage distribution centers.











- PACKING PLANT AUTOMATION S7-400 TO S7-1500 MIGRATION AND SCADA DEVELOPMENT
- CEMENT GRINDING PLANT TOTAL AUTOMATION SOLUTION INCLUDING SCADA SYSTEMS, CONTROL PANELS INSTRUMENTATION AND CABLE MANAGEMENT.
- CUSTOMIZED CONTROL PANELS FOR UTILITY REQUIREMENT

# IYRE INDUSTRY

With opportunity to execute automation and drive solutions in this segment, using cutting-edge technology such as Totally Integrated Automation from Siemens, Tyre manufacturers are able to fulfil demand for new and retrofit solutions, in the process sustaining their profitable business.









- RUBBER COMPOUND MIXING MACHINE
- CURING PRESS MACHINES
- TSS LINE VFD OF REPLACEMENT 90KW AND COMMISSIONING
- SKIVER CUTTER
- CHEMICAL WEIGHING SYSTEM AUTOMATION
- OIL WEIGHING SYSTEM AUTOMATION

- CARBON WEIGHING SYSTEMS
- RUBBER EXTRUSION MACHINE BOTH HOT & COLD EXTRUSION
- RUBBER 2ROLL CALANDER LINE
- RUBBER HYDRAULIC PRESS
- VACUUM SYSTEM OPTIMIZATION OF CURING PRESS LINE
- DEMAND BASED PUMP AUTOMATION FOR CURING PRESS LINES.

Discover how our cutting-edge automation technology can streamline your food production processes, increase efficiency, and ensure consistent product quality. Our experienced team specializes in delivering tailor-made automation solutions for the food industry. Whether you're a small-scale food manufacturer or a large-scale processor, we've got the expertise to optimize your operations. Embrace the future of food production with us!"









- PROCESS AUTOMATION INCLUDING SCADA SYSTEM
   & CONTROL PANEL FOR CHOCOLATE CONCH SYSTEM
   S7-1500 AND WINCC SCADA BASED SYSTEM.
- TEA PULP EXTRACTION MACHINES RETRO FITTING OF S7-300 CONTROL SYSTEMS INCLUDING PROGRAM MODIFICATION.
- OATS FLOUR WEIGHING MACHINE PROGRAM MODIFICATION AND CALIBRATION OF SYSTEM
- BULK FLOUR PACKING MACHINE PROGRAM MODIFICATION AND CALIBRATION OF SYSTEM
- THERMIZER PLC BASED BREAKDOWN TROUBLESHOOTING.
- PULP MIXER SCADA BACKUP AND RESTORATION
- TEA LEAF DRYER TROUBLESHOOTING OF VFDS

UILDING SERVICES AND HVAC



As a leading provider in building services and HVAC solutions, we take pride in delivering cutting-edge projects that redefine efficiency, comfort, and sustainability







- VERTICAL HIGH RISE CAR PARK AUTOMATION S7-1200 & ET200SP BASED SYSTEM
- COOLING TOWER AUTOMATION G120XA VFD BASED SYSTEMS
- AHU SYSTEM AUTOMATION
- CO2 MONITORING SYSTEM
- WATER HIGH PRESSURE CONTROL WITH DUTY CYCLE





With the advent of automation implementation in roof industry, productivity & Quality of the roofing industry has been scaled up to large extent.



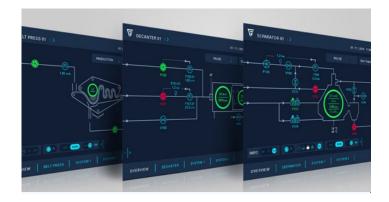


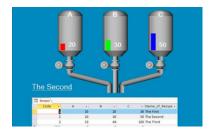


- AMANO ROOF CUTTING MACHINE AUTOMATION
- SHEET CLAMPING MACHINE BREAKDOWN



Discover the power of automation in our comprehensive production data management solution. Our system excels in real-time production data monitoring, visualization, data logging, and report generation. Harness the expertise of our automation specialists to optimize your processes and drive efficiency.









- PLANT PRODUCTION DASHBOARD
- PREDICTIVE ANALYSIS DASHBOARD
- OEE & KPI ANALYSIS
- IOT BASED CONTROL & MONITORING
- DATA LOGGING, ANALYSING & REPORT GENERATION
- ENERGY MONITORING & ANALYSIS
- CO2 & GAS MONITORING SYSTEM









Our automation solutions and breakdown support have been instrumental in serving the specialized needs of the medical and safety glove manufacturing industry. Rely on our expertise to ensure seamless operations, quality production, and minimal downtime in this critical sector.

- AUTOMATIC LATEX GLOVE DIPPING MACHINE BREAKDOWN SUPPORT
- CHLORINE LATEX GLOVES WASHER PLC BASED BREAKDOWN TROUBLESHOOTING



Our expertise extends to numerous factories, where we've revolutionized operations through Siemens-based automation. By enhancing the efficiency of boilers and heaters, we've empowered industries to reduce energy consumption, cut costs, and increase overall productivity."







- INSTALLATION OF VFD FOR ID/FD FANS
- PLC PROGRAM MODIFICATION TO OPTIMIZE EFFICIENCY OF THERMIC OIL HEATERS

We have been appointed as the authorized distributor for Advance Cooling Systems Pvt Ltd in Sri Lanka. Reliable Panel Air Conditioners and genuine spare parts are offered, designed to ensure efficient cooling for control panels, MCCs, and power panels of all sizes. The performance of critical systems is improved, and their lifespan is extended through these solutions.



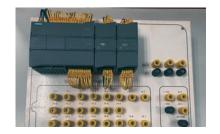
**RATING: 250W-4000W** 



### TRAINING KITS















### **NURTURING FUTURE TALENT FOR INDUSTRY ADVANCEMENT**

WE ARE PROUD TO SUPPORT UNIVERSITIES AND EDUCATIONAL INSTITUTIONS IN TRAINING AND DEVELOPMENT PROGRAMS FOR AUTOMATION. OUR PLC AND SCADA TRAINING KITS EMPOWER STUDENTS TO GAIN PRACTICAL SKILLS AND KNOWLEDGE, PREPARING THEM TO LEAD THE INDUSTRY INTO A BRIGHTER FUTURE.

### **OUR CLEINT BASE**

### **TYRE INDUSTRY**

















### **CEMENT INDUSTRY**



**GLOVE INDUSTRY** 

**BUILDING SERVICE** |

**TEA** 



















**STEEL & ROOFING** 





































































### **OTHER INDUSTRIES**

































































### ENGINEERING, TRADING & FREELANCEERS |

















**EDUCATION SECTOR** 



































### **Headquarters**

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### **Overseas Branch**

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