

LAISTUNG

EFFICIENCY REDEFINED



ABOUT LAISTUNG

Laistung is a leading multinational **Industrial Automation Solution and Consultancy Service Provider** dedicated to optimizing and enhancing manufacturing processes across multiple industries. We tailor comprehensive strategies that encompass everything from process analysis and system integration to ongoing support, ensuring sustainable operational growth.

WHY CHOOSE US?

✓ Expertise

Experienced engineers with a proven track record in automation.

✓ Customization

Solutions tailored to your unique business requirements.

✓ Reliability

Commitment to delivering reliable systems for your long-term success.

✓ Support

Partnership from initial consultation through post implementation support.

SOLUTIONS & SERVICES

➤ CORE TECHNICAL FOCUS



AUTOMATION SYSTEM DESIGN & INTEGRATION	➔	End-to-end design, implementation, and integration. Includes PLC programming and HMI development for intuitive control.
ROBOTICS	➔	Expertise in robotic systems for material handling, assembly, and welding. Includes programming and calibration for seamless operation.
SCADA SYSTEMS	➔	Design and implementation for real-time visibility into production processes. Provides data collection, analysis, and reporting.
INDUSTRIAL IOT (IIOT)	➔	Integration of IoT devices and sensors for remote monitoring. Development of IoT platforms for predictive maintenance and proactive problem-solving.
CONSULTANCY AND TRAINING	➔	Professional consultation for determining best automation strategies, and training programs for operating and maintaining systems.

➤ ENGINEERING CONSULTANCY SERVICES



SYSTEM DESIGN & INTEGRATION	➔	Designing control systems, selecting components, specifying communication protocols, and integrating them into a cohesive automation system.
PROCESS OPTIMIZATION	➔	Analyzing existing processes to identify bottlenecks and proposing solutions that streamline workflows, minimize downtime, and reduce waste.
TECHNOLOGY SELECTION	➔	Assisting clients in selecting the right automation technologies and platforms, including the evaluation of PLCs, HMIs, and industrial robots.
PROGRAMMING & CONFIGURATION	➔	Developing custom software (PLC code, HMI interfaces, SCADA configuration) to ensure smooth operation and effective monitoring.
SAFETY COMPLIANCE	➔	Ensuring systems comply with relevant safety standards by conducting risk assessments, designing safety features, and implementing protocols.
TRAINING & SUPPORT	➔	Providing essential training to operators and maintenance personnel, along with ongoing technical support for troubleshooting and updates.

➤ SYSTEMS MIGRATION AND RETROFITTING



SYSTEMS MIGRATION	➔	Upgrading outdated control systems, PLCs, SCADA, and HMIs to modern platforms. Includes integration with Industry 4.0 Technologies like IoT and AI.
RETROFITTING	➔	Upgrading existing machinery with state-of-the-art sensors, actuators, and control systems. Integration of safety systems and Energy Efficiency Improvements.

➤ MAINTENANCE & ASSESSMENT



MAINTENANCE	➔	Providing Preventive (scheduled inspection/repair), Corrective (addressing unexpected breakdowns), and Predictive (using data analysis to forecast failures) maintenance
ASSESSMENT	➔	Conducting Performance Evaluation (against benchmarks), Risk Assessment, and Root Cause Analysis of failures.

INDUSTRIES WE CATER TO

↘ SPECIALIZED INDUSTRY COMPETENCE

Sector

Core Competence Areas

✓ Pharma & Life Science

Our expertise assures high-quality pharmaceutical production and regulatory compliance, overseeing plant establishment across various scales, from R&D to full-scale production.

(Bioreactor & Fermenter, CIP & SIP, assuring high-quality pharmaceutical production and regulatory compliance)

✓ Food & Beverages

We boast extensive expertise in Automation and Engineering Design across Dairy, Breweries, Confectioneries, and Consumer Goods, underscoring our adaptable nature and competence in managing pivotal production stages.

(Pasteurization, Separation & Filtration, Fillers & Cappers, Clean-in-Place (CIP))

✓ Oil & Gas

Our company stands at the forefront, leveraging extensive expertise in both On-shore and Offshore Oil and Gas platforms, positioning us as a definitive asset in this rigorous industry that mandates precision, safety, and unwavering adherence to stringent standards.

(Compressor & Metering station, Pipeline control room, Terminal automation, Safety systems & Fire alarm control)

✓ Automotive

We have proven expertise in a wide range of automotive systems, including complex processes that require precision, efficiency, and integration across various stages, making our proficiency invaluable to automotive production.

(Body shops, Paint shops, Machining, Assembly lines, Utilizes Robotics, Motion control and Vision systems)

✓ Robotics & Material Handling

We offer turnkey robot-based automation systems across a diverse range of industries and applications, leveraging extensive knowledge of the warehousing and material handling industries to optimize logistics and operations.

(Offers turnkey robot-based automation systems. A system partner for Yaskawa Robotics in India. Expertise in Conveyor systems, AGVs, and AS/RS)

✓ Energy & Power

We provide engineering services for the Power Generation, Transmission, and Distribution segments across various voltage levels, contributing to the efficient and reliable operation of power systems.

(Engineering services for Power Generation, Transmission, and Distribution. SCADA software Safety, RTU compatibility (SIL 3 certified), Cyber Security management)

↘ OUR ESTEEMED CLIENTS



VOLVO

Schneider
Electric

MAHLE

IFB



TOYOTA

HYUNDAI
ENGINEERING & CONSTRUCTION



Dr.Reddy's

TVS

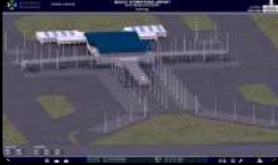


ROYAL ENFIELD

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PROJECTS AND CONTACTS

RECENT ENDEAVORS



Airport Ground Lighting Control

Muscat International Airport (Oman)

Automated Apron light control. Integrated Siemens S7 1200 PLCs (42 Nos) and Siemens WinCC 8.0 SCADA.



Integrated Control System (ICS)

Ain Dubai (Dubai Eye) - Commissioning Support (Hyundai E&C)

Ensured seamless integration and optimal performance of control systems. Utilized Logix 1756 PLCs and Wonderware InTouch 2017 SCADA.



Fuel Farm & Fuel Hydrant System

Salalah International Airport (Oman)

Comprehensive upgrade to the fuel farm and hydrant system infrastructure. Used Siemens PCS7-S7400H and Siemens PCS7-9.0 SCADA.

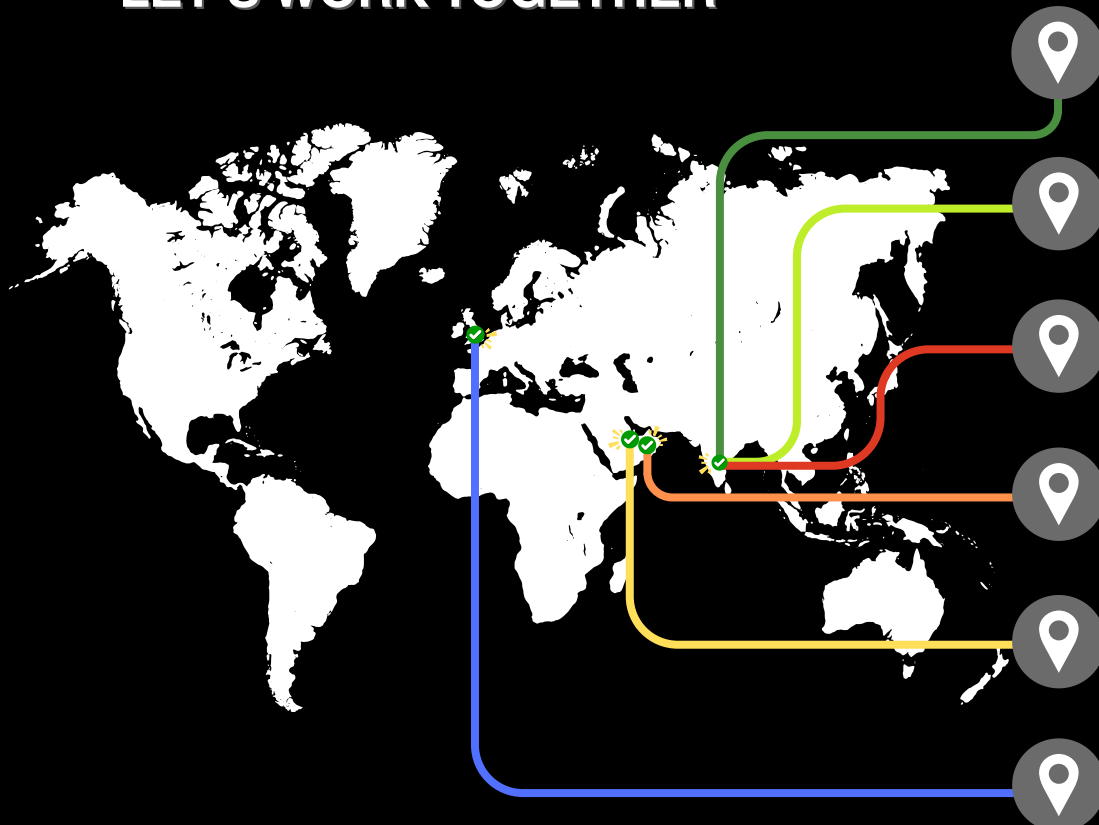


Fuel Hydrant Pump System

Muscat International Airport (Oman)

Modernized existing infrastructure to the latest Siemens system (hardware and software). Used Siemens S7400H Redundant PLCs and Siemens WinCC 8.0 SCADA.

LET'S WORK TOGETHER



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