

## Remote Engineering Services

Sarla Technologies is an ISO 9001:2015 certified Engineering Services and Solution organisation. We have been providing Remote Engineering Services to our Global Customers for the past 18+ years in the field of Industrial Automation, Design Engineering and Plant IT. We have executed more than 1000 projects across various industries using our Global Delivery Model.

In Remote Engineering Services, we support our customers in:

**Pre-bid Engineering-** Requirement analysis & Estimations

**Project Execution-** Design, Development, Testing, Commissioning

**Post-Commissioning-** 24x7 Support, Training & Documentation



### What can be done with Remote Engineering?

#### Industrial Automation

- Remote application development- PLC, DCS, SCADA, Safety & Drives, Robotics & CNC
- Remote Testing
- OLP Development and Simulation
- Remote FAT and Commissioning
- Specifications and As-built Documentation
- Remote 24x7 Support

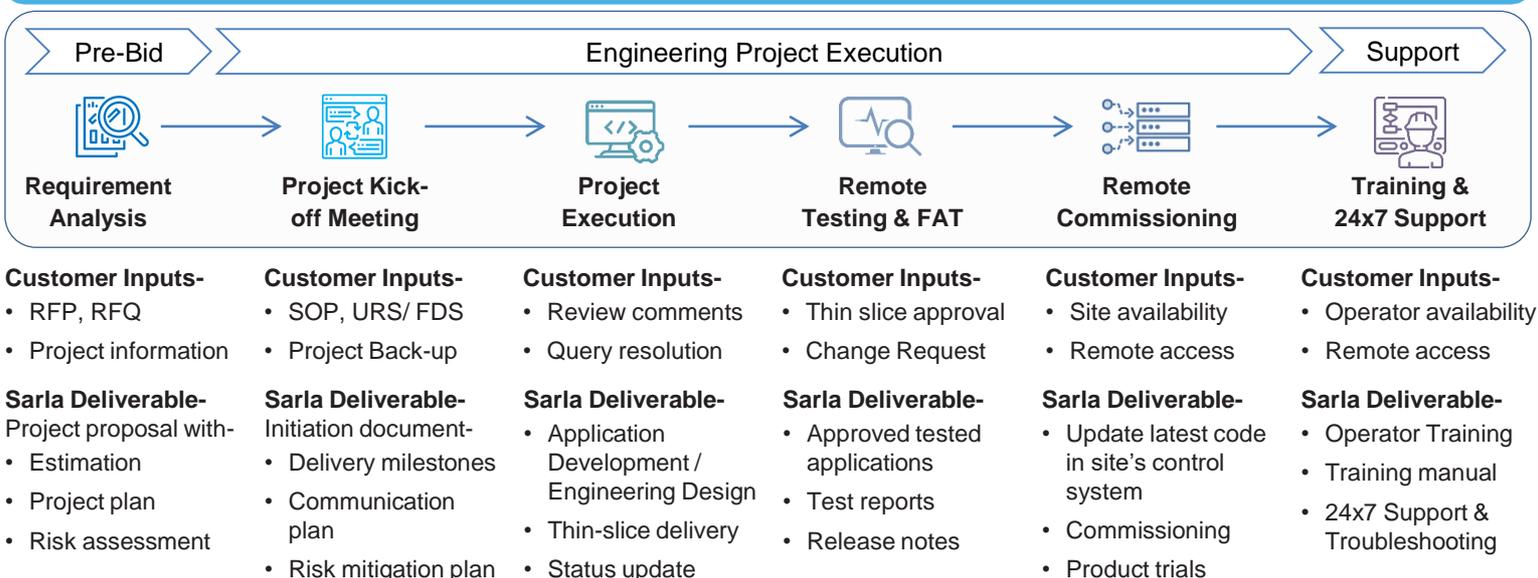
#### Design Engineering

- Detailed engineering- Plant, Process and Equipment
- 2D drafting and 3D modeling
- Mechanical, Piping and Structural
- Electrical & Instrumentation
- Migration / data conversions
- Analysis and Simulations
- Building Information Modelling (BIM)

#### Plant IT & Software Development

- Microsoft: C#, VB .NET, C, C++, WPF, SQL Server
- Open Source: Python, AngularJS, Java
- QA and Test Automation
- Batch and Recipe Management
- MES, ERP integration
- Plant Analytics and Reporting

### How do we execute Remote Engineering?



## Our Success Stories in Remote Engineering

### Remote Automation Engineering for a Major process OEM at a **leading Dairy in UK**

**Processes:** End-to-end systems from raw milk processing to dispatch of milk and cream.

**Scope:** Remote Application development for PLC & SCADA, Simulation testing & remote on-call support.

**Hardware & Software:** PLC- Rockwell ControlLogix, SCADA- Wonderware InTouch.

### Electrical Design Engineering for a Material handling OEM at an **eCommerce Warehouse**

**Processes:** PLC panels designed for Conveyors

**Scope:** Prepare EPLAN electrical drawings for 46 PLC panels- IGA, OGA, cable routing, current calculations, error management, schematics, BOM.

**Hardware & Software:** EPLAN Electric P8 Ver. 2.8 (Remote access through VPN), Siemens S7-1500.

### Remote Commissioning during COVID-19 for Process OEM at **Indonesian Pharma plant**

**Processes:** Energy drink batch process from raw material intake station to filling and packaging line.

**Scope:** Remote commissioning for Batch application and remote operator training.

**Hardware & Software:** Batch- Wonderware InBatch, SCADA-Wonderware ArchestrA, Siemens S7-1500.

### Remote Commissioning of Scrubbers for a major EPC at major **Marine Ships Globally**

**Processes:** Scrubbing of Exhaust Gas in Ships to reduce Sulphur Oxides (SOx) emissions.

**Scope:** PLC, SCADA development, Remote commissioning and red line mark-ups.

**Hardware & Software:** PLC- SIMATIC TIA V15, SCADA- Siemens WinCC.

### Customer Testimonials

*"Sarla is working with us since 2018 on a major Pharma projects. Their Remote Engineering Services have helped us to complete the project successfully."*

- Automation Manager, Leading System Integrator in US

*"Usually commissioning projects are complex, but Sarla Engineers were right at first time even while accessing plant remotely. Thank You!"*

- Project Manager, Leading European Process OEM

## Key Enablers for Remote Engineering

**State of the art Infrastructure:** Reliable IT and network system with secured FTP, VPN, back-up servers, networking & in-house IT support teams.

**In-house PLC Labs & Experience Center:** Industrial skid with sensors, valves, drives. PLC labs with Siemens, Rockwell, Mitsubishi, etc.

**Online Project Management Tool:** Cloud based project and quality management tool to track the development of the projects.

**Quality Management Systems:** ISO 9001:2015 certified quality management system and practices.

## Our Value Proposition

**One Stop Shop:** For various Engineering Skills- Automation, Design, Plant IT projects.

**Rich process knowledge:** Across 10+ industry verticals where we have delivered 2000+ projects.

**Specialists in Migration & Upgrade:** Rich knowledge of various tools for migration & upgrades.

**Absorption of Variable Project Load:** Engaging on projects from few man-weeks to multi-year contracts.

**Cost Efficient Engineering:** Proven Remote Engineering Model with cost competitive resources.

Let's connect

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