

Industry 4.0 and Application Software Development

At Sarla Technologies, we have leveraged our 18+ years of experience in Industrial Automation and Engineering Services to develop robust and reliable Software and Plant IT Solutions. We develop customized web and mobile applications, drivers and other IT-enabled solutions to help our customers manage their information systems in a seamless manner.

We help our customers in their Industry 4.0 initiatives by selecting right technologies and platforms. We enable equipment, systems and processes to exchange real time information. Our cloud and data analytics solutions analyze this vital information to provide actionable insights to the users.



Application Software Development & Testing

Services & Solutions

Development & Testing

Web & Mobile Applications

Integration & Implementation

Enterprise & Sharepoint Services

Testing & Validation Services

Third Party Integration

OPC Connectivity

RFID & Barcode integration

Third party controls

MIS Reporting

Business Intelligence

Plant Analytics

KPIs & Dashboards

Reporting Tools

Technical Expertise

Languages & Patterns

C, C#, .NET, VB, HTML 5, Ajax

Java, PHP, Android, Python

RESTful HTTP, Node.js, Angular.js

MVC, WCF, WebSockets, Web

APIs

Software & Reporting Tools

Visual Studio, Eclipse

SQL Server Reporting Services

Testing

QTP, Visual Studio

Team System, Selenium

Bugzilla, WinRunner, LoadRunner

Customer Offerings

Laboratory Information Management System (LIMS)

An application to collect, exchange

and record the entire information

of a laboratory. It can seamlessly

integrate with all lab equipment

Driver Development

Enable communication between

various hardware devices. Estab

lish seamless information flow

among discrete devices

Remote Monitoring

Develop reliable systems to

remotely govern processes. Lever

age the technology to improve

process efficiency

Industry 4.0

Services & Solutions

Industrial IoT

M2M Communication
Microcontroller to Gateway Data Exchange
Sensor to Cloud Data Migration

Big Data & Analytics

Data Mining & Pattern Detection
Data Modeling & Analytics
Alarms & Notifications
Data Visualization

Cloud

Consultancy for SaaS
AWS and Azure Cloud Services
Cloud Testing & Data Migration

Technical Expertise

Cloud & Data Analytics

Platform: Amazon Web Services, Microsoft Azure, Hadoop
SQL: Oracle, MySQL
NoSQL: Redis, SimpleDB, Cassandra, Hbase, CouchDB, MongoDB, Meo4J
Visualization: Tableau, Quid

Industrial IoT

Node to Gateway: Bluetooth, BLE, Z-Wave, 6LoWPAN
Gateway to Server: HTTPS/S, MQTT, CoAP, TCP/IP, UDP
Communication: Cell (2G, 3G, 4G), WiFi, Ethernet, PLC, Satellite

Customer Offerings

Operational Efficiency

Create integrated design to production to delivery system & enable advanced information drill-down for plant data visibility.

Supply Chain Efficiency

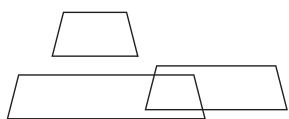
Track every material, SKU & shipment in near real time. This helps to enhance information visibility of in-transit fleet.

Asset Management

Improve asset utilization rates across value chain. Establish patterns for predictive - maintainence of assets across lifecycle

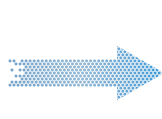
Our Solutions Framework

We use the best suited project execution methodologies like Agile, SCRUM, Waterfall and Kanban across the software development lifecycle.



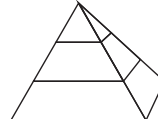
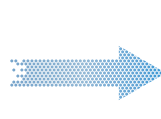
Conceptualize

Implementation Roadmap
Transformation Strategy
Security Assessment



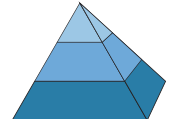
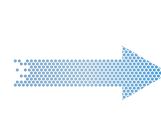
Prototype

Proof of Concept
Prototype Validation
Computing & Visualization



Develop

Design & Development
Hardware Engineering
Testing & Integration



Maintain

Product Lifecycle Management
Remote Monitoring
Service Support

Let's connect

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