NeoSOFT®

Capabilities

Driving Digital Outcomes in the Manufacturing Industry

About Us

Great Place To Work. Certified INDIA

25+ YEARS OF EXCELLENCE

CMMIDEV/5

Overview

4000+ Employees

10 Global Offices

9 Development Centers

1,00,000+ Sq.ft. Office Space

Clientele

1500+ Clients

50+ Countries

85% Clients Retention

22+ Industry Verticals

Achievements

2000+ Products Engineered

1500+ Applications Developed

12+ Awards

20+ Million Development Hours

Partners

aws

SAP

Microsoft

Google Cloud

Magento

Our Expertise

We help businesses wherever they are in their digital journey. From consulting for a **digital transformation** to carving out a **technology roadmap**. Our expertise helps you to **drive RoI** from your digital initiatives.

Digital Transformation

- UX/UI Consulting
- Web & Mobility Solutions
- Enterprise API Management
- RPA
- Legacy Modernization

Digital Product Engineering

- Custom Software Engineering
- QA Services
- Maintenance
- Managed Services

Infrastructure & IT Operations

- Cloud Consulting
- DevSecOps
- Cloud Migration
- Cloud Management

Data Management & Analytics

- Data Engineering
- Governance
- B.I. & Analytics

Artificial Intelligence

- M.L. Models
- Model Generation
- M.L. Ops
- Data Science

Internet of Things

- IoT Consulting
- Software Defined Features
- IoT Applications

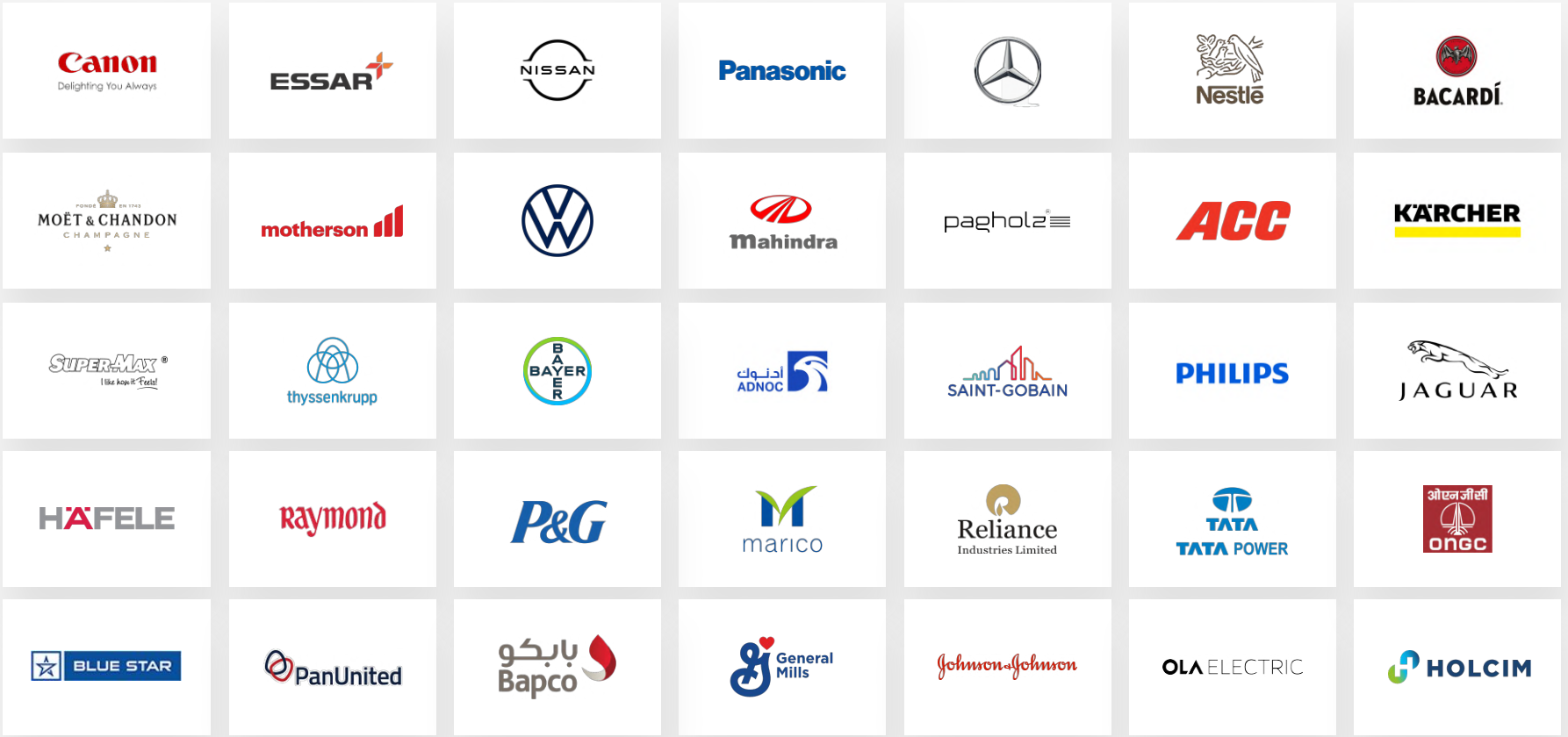
Innovation Lab

- MVP & POCs
- Rapid Prototyping
- Emerging Tech

Team Augmentation

- Solution Architects
- B.A.
- Developers
- Data Scientists

Selected Clientele



Case Studies

Technology solution provider for manufacturers in Saudi Arabia

Engineered an IoT-based solution for industrial equipment monitoring.

Project Drivers

- Industrial IoT
- Sensors
- Integratio
- Data Analytics

Outcomes

10x Improved Visibility

- The system provides a clear visibility on equipment availability, performance, downtime, and its condition.

9x Accelerated Operations

- Real-time tracking of equipments enabled the client to identify bottlenecks and ensure 99.99% uptime of the manufacturing process.

80% Operational Insights

- The data captured on a real-time basis is integrated with ERP which delivers insights on the operation efficiencies and manufacturing productivity.

Solutioning

Challenges

- Difficulty in keeping a track of equipment performances that have been added to the production line.
- Minimize unplanned downtime and establish transparency throughout the equipment’s lifecycle.
- Lack of system that could capture the production milestones and perform analysis to derive the gaps.

Technical Spotlight

- Connecting PLC, controllers, and sensor-based devices to one platform.
- For serving machine views, Express.JS HTTP server has been used.
- Connecting devices to the SAP Cloud.

Solution Highlights

- Manufacturing process orchestration by real-time tracking.
- Show real-time dashboards of the machine on the shop floor, generate reports and KPIs.
- Handling massive amounts of data emitted by sensors.
- Enable safe and secure operations, monitor equipment availability, condition, and performance.

Tech Stack

node.js TS JS PostgreSQL Raspberry Pi Compulab

Global leader in precision fastening and assembly solutions

A smart automation tool for gas-pipes welding process

Project Drivers

Product Engineering | Automation | IoT | Sensors

Outcomes

5X Improved Visibility

- Simple yet intuitive UI that provides real-time status on the automated and remotely monitored welding activity and helps identifying abnormalities.

99% Quality Outcomes

- Automation of welding gas pipes using advanced technologies yielded precision and superior outcomes.

8X Improved Productivity

- Elimination of the traditional manual welding process boosted productivity and overcame the risk of human casualties.

Solutioning

Challenges

- Achieving high-levels of productivity was crucial as the client operates in the oil and gas sector, where factors such as time, yield, and budgets were necessary to be kept as minimal.
- Leveraging IoT Technology in the industrial framework required coupled efforts ensuring that the communication between the hardware devices and the software was thoroughly built.

Technical Spotlight

- **Node. js** supports the MQTT protocol, commonly used by IoT apps, making it easy to connect to independent and third-party services and prepare it for integration through multiple environments.
- IoT in welding offered delivering insights on system performance that led to identifying communications between systems and deriving performance data.

Solution Highlights

- The application developed for the oil and gas industry automates the welding process for pipes of diameter ranging from 6-8 inches. The process involves welding from inside as well as outside with well precision and accuracy.
- The project is based on the IoT platform and establishes server to server communication and server to client communication.
- Integration of various cameras and sensors to perform precise welding and rotation and movement modules to move the torch in various positions.

Tech Stack

node.js | JS | mongoDB | express | ANGULAR | socket.io

A Leading Agrochemical Manufacturer

A tailored ERP system that integrates crucial business operations

Project Drivers

ERP | Automation | UX/UI | Data Analytics

Outcomes

10x Improved Sales

- Automation and data transparency improved business decision making, subsequently impacting sales growth.

9x Increased Collaboration

- Integrated business operations elevated collaboration between internal and external stakeholders.

Elevated Customer Experience

- Capturing user interactions in real time enabled the agility to address customers' demands/queries.

Solutioning

Challenges

- Spreadsheets were used to maintain critical business data; which over a period of time became difficult as the volume of transactions and data started growing exponentially.
- Manual processes hindered the operations and increased the rate of manual errors.
- High risk involved in data consistency, integration, analytics, and security.

Technical Spotlight

- Leveraged Odoo for its capability to own a complete suite of business-applications.
- Odoo's open source feature made it convenient to customize and configure the system.
- Python's simplicity made complex data appear simple and easier to analyze.

Solution Highlights

- ERP Modules - Sales, Purchase, Accounting, Inventory, Back office.
- Centralized data repo and secured access.
- Real-time data dashboards with insights into production efficiency and quality.
- Streamlined audits with greater financial visibility and control.

Tech Stack

python™ odoo OWL Web Framework QuickBooks. WMS

Renowned manufacturer of wooden products in Germany

Enhancing client’s supply chain operations by integrating new SAP modules.

Project Drivers

- SAP Implementation
- Automation
- Process Optimization

Outcomes

99% Deployment Success

- Delivered a highly critical SAP integration project within 6 months through an offshore model, with zero glitches and not a single escalation.

10X Accelerated Supply Chain

- Automation and clear visibility of end-to-end supply chain activities with high optimization of inventory levels.

80% Enhanced Operations

- Eliminated manual interventions for low-value and high-time consuming jobs and achieved resource optimization with SAP capacity requirement planning functionality.

Solutioning

Challenges

- Lack of visibility of overall capacity utilization which led to decreased productivity and delayed deliveries.
- Absence of automated processes that led to excess investment of resources in managing the supply chain process manually.
- Challenging project as it required integration of new modules in the existing SAP, without disrupting the ongoing day-today activities.

Solution Highlights

- Streamline the supply-chain activities using the best SAP practices to ensure-
  - Prompt deliveries
  - Optimized resource utilization
  - Realistic scheduling
  - Low inventory cost
  - Automated replenishment of goods.
- Automation of processes to yield improved productivity and enable client by driving visibility across the supply chain operations.
- Material Management (MM) and Production Planning (PP) modules were implemented.

Tech Stack

SAP ECC

Manufacturing leader in FMCG products

CRM development for enhanced visibility on business operations.

Project Drivers

- CRM Integration
- UX/UI
- Data Management
- Cloud Enablement

Outcomes

8X Accurate Demand Forecasting

- Enables identifying market patterns, trends, and demand-forecasting and speeds up time-to-market

Improved Product Quality

- CRM captures data from multiple sources and helps analyze process errors in real-time that might be contributing to product defects.

Intelligent Supply Chain

- Detailed and useful insights about operations, inventory management, order processing, warehousing, and distribution chains, empowering manufacturers to manage production schedules.

Solutioning

Challenges

- Lack of visibility on sales and demand forecasting, which subsequently disabled competitive growth.
- Difficulty in managing customer information, leads and opportunities, deals, quotes, and order status.
- Building up a holistic happier experience for its customers, partners, and vendors.

Technical Spotlight

- Leveraged Microsoft Dynamics 365 in hybrid cloud environment to establishing connectivity between data, business logics, and processes.
- Limitless and flexible UI controls using WPF.
- Custom report generation using MS SQL server databases.

Solution Highlights

- The CRM integration in the clients digital ecosystem was introduced to achieve solutions that enabled -
  - 360-degree view of concise and consistent operations.
  - Greater visibility into the sales pipeline.
  - Intelligent production planning.
  - Supply chain visibility.
  - Enriched customer relationship.
  - Quality leads

Tech Stack

Microsoft Dynamics CRM

.NET Core

wpf

Microsoft SQL Server

NeoSOFT® CMMI Level 5

Leading by Passion. Driven by Innovation

4000+	22+	1500+	85%
Professionals	Industries	Clients	Client Retention

Thankyou

022 4050 0600

www.neosofttech.com