

# Engineering Services

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Comprehensive offerings

April 28, 2023



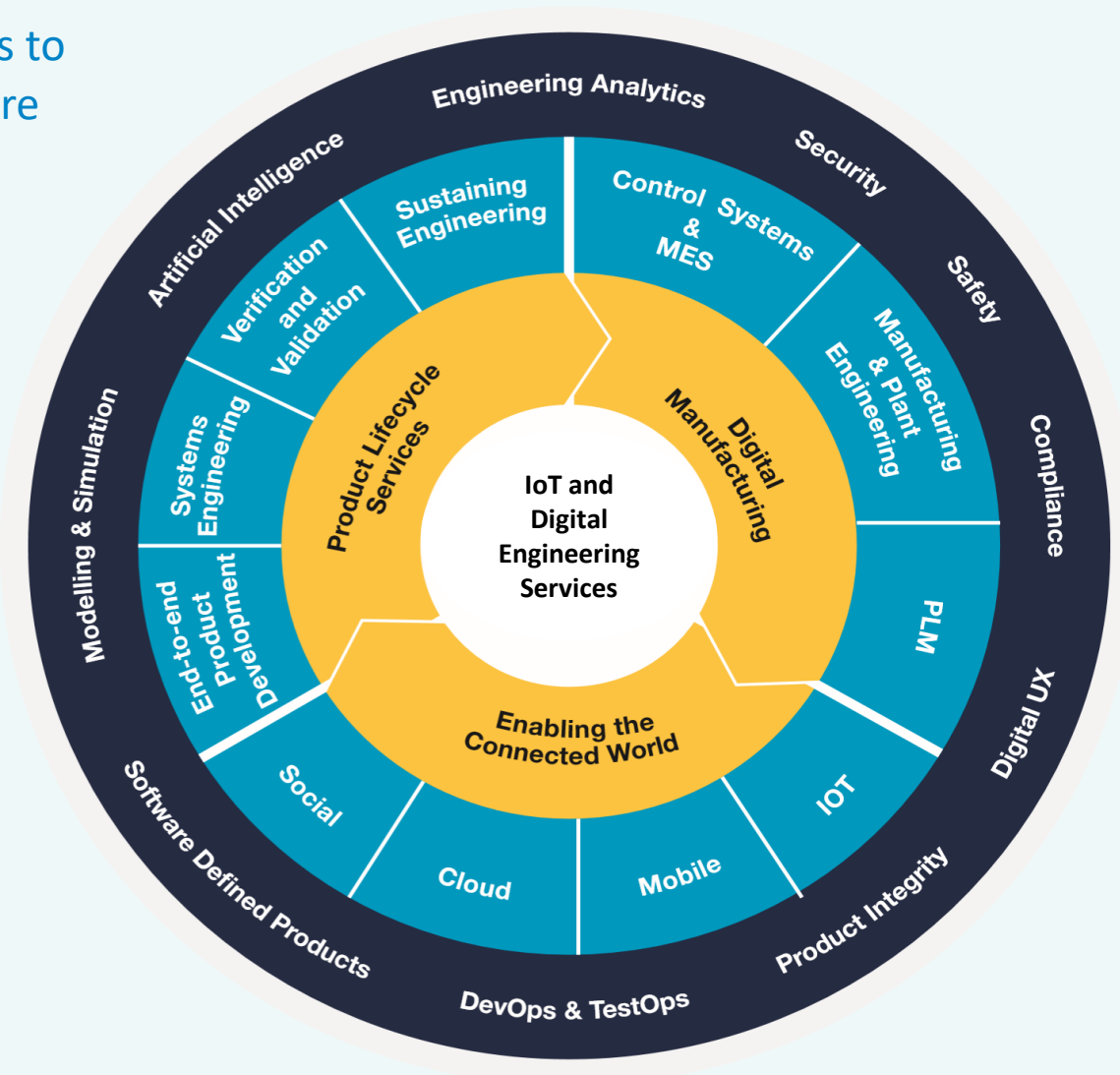
# Product Engineering Services for Digital World

“ The digital transformation is forcing product companies to adopt next generation technologies and move to a more evolved engineering and manufacturing ecosystem”

Future growth depends on the transformation of business models, execution process and products to serve evolving customer needs. Developing and launching new offerings leveraging smart connected products, embedded devices, IoT, analytics and telemetry is becoming a more and more critical element of this evolution.

SmyanSoft Product and Engineering Services brings together deep domain and technology expertise for both the digital and the physical world of products. Consulting, technology and assets led solutions enable global companies to unlock the true potential of their product portfolios.

With over 1000 engineers across the globe and 10 years of experience, we offer a highly differentiated, comprehensive portfolio of services and solutions to meet the clients' needs during each stage of the product lifecycle. Our expertise in the core solution interventions is made scalable through our delivery model.



# Comprehensive Engineering Portfolio

## Autonomous Driving

Sensing algorithm, Perception, V&V, HIL, Cloud computing and data management

## Product Engineering

CAD, CAE, PLM, Design, Body, Interior, Exterior, Chassis, Powertrain and Safety

## Electrification Services

Power electronics, Simulation, platform development, BMS, EV charging Infrastructure

## Cyber Security

Identity & Access management, Vulnerability management, Threat management, Cloud Security, Data Privacy & protection, Fraud Management

## Software Engineering

Model based systems engineering, continuous integration, ASPICE, Requirement maturation, verification, process harmonization

## AUTOSAR

Adaptive AUTOSAR, Configuration editor, Platform stack development, Polyspace, Validation

## Functional Safety

Compliance -FuSa ISO 26262, SOTIF 21448, UL 4600, Safety for autonomous, assessments

## Infotainment

Connected vehicle platform, HMI, Cockpit, FOTA, Diagnostics, onboard and offboard

## Battery Management

Software Development, Unit Testing, HIL Testing, FuSa Compliance, Process Compliance

## Diagnostics

Diagnostics stack, Vehicle health analytics, on-board and off-board service oriented vehicle

## Plant Operations

Manufacturing IT, MES /MOM (L1 & L2 support), Automation, IoT, Cloud, Data Analytics, AI, AR-VR and Mobility Apps

## Supply Chain As-A-Service

Strategy, Planning, Sourcing, Logistics, Operations and Quality management



## About SmyanSoft, LLC

SmyanSoft is an IT services, consulting and business solutions organization that provides IT and IT-enabled services which include IT consulting, custom application design, development, re-engineering and maintenance, systems integration, package implementation, global infrastructure services, BPO services, cloud, mobility and analytics services, research and development and hardware and software design. It is headquartered in Houston, Texas, United States.

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