

industrial grade [networking & control](#) solutions

In the time of competing interests, faster time to market and ever tighter schedule, SoftDEL has a proven record to provide engineering support and adding value to existing products for our global customer base. With our well equipped state of art infrastructure we cater to round the clock needs of our customers.

SoftDEL's mechanical engineering practice works in conjunction with its hardware engineering and software engineering practices to deliver end-to-end product development and sustenance services to global automation OEMs.

DETAIL ENGINEERING

SoftDEL's team of experts can help execute various detail engineering tasks involved in taking new products from concept to manufacturing ready. Various techniques include creating and simulating 3D models for feasibility study, creating detailed drawings for manufacturability and generating precise bill of materials for sourcing.

Benefits

Additional engineering resources without significantly increasing budgets

Speed up engineering projects



VALUE ANALYSIS & VALUE ENGINEERING

Value Analysis and Value Engineering is a high-impact service line where SoftDEL consultants work on product portfolios to make them more competitive. Internally, SoftDEL experts use Functional Analysis System Technique (FAST) methodologies to unlock hidden value in customer's products.

Benefits

Localize product offerings for emerging markets

Standardize products to reduce inventory costs

Reduce product weight, material costs and streamline manufacturing processes



PRODUCT SUSTENANCE

SoftDEL's sustenance engineering practice ensures smooth transition of product sustenance activities. Re-engineering mechanical, hardware, and software aspects of products can help extend product shelf-life by replacing obsolete components, migrating to newer platforms and bringing support costs down.

Benefits

Customer's engineering team can focus on new product innovation and development

Bring new and improved features to existing products thus increasing end user satisfaction and stickiness of our customer's installed base



TOOLS & TECHNIQUES

- 3D simulation
- 2D drafting
- Prototype manufacturing
- Form & function testing
- Autodesk Inventor®
- PTC Pro/ENGINEER
- Dassault SolidWorks®
- ANSYS®

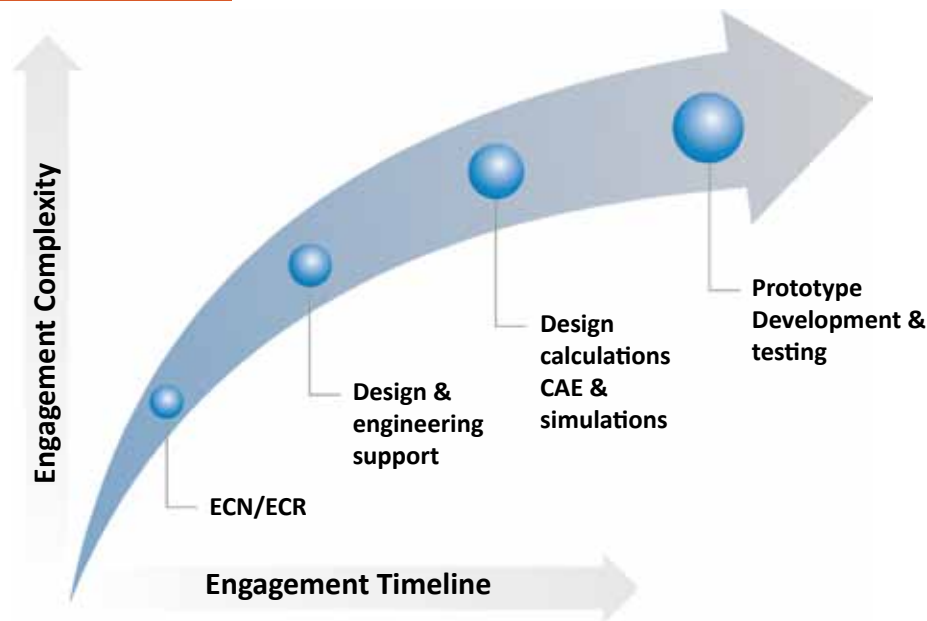
VALUE GENERATORS

- ECN/ECR
- Obsolete part replacement
- Legacy data conversion
- Localization
- Product packaging
- Application engineering
- Concept validation
- Reverse engineering
- Standardization
- Cost optimization
- Design for Manufacturability / Assembly / Serviceability

FINITE ELEMENT ANALYSIS

- Structural analysis
- Thermal analysis
- Computational Fluid Dynamics

Engagement Evolution



Engagement Models

ONSITE EXECUTION

Projects requiring presence of at least one SoftDEL team member at a customer location to aid continuous monitoring and interaction with customer's team.

An onsite technical coordinator acts as the interface between customer engineering teams and a larger off-shore engineering team at SoftDEL.

OFFSHORE EXECUTION

Projects with well defined specifications in which customer wants to limit own engineering time and cost exposure, are suited to a full offshore model.

OFFSHORE ENGINEERING CENTER

Dedicated environment setup as per customer needs for a large engineering team setup greater than 15 engineers.

Preferred engagement option when project requirements are continuously evolving.



About Softdel

For over a decade, we have been leveraging our expertise in electronics, software and mechanical engineering to help global automation companies design, develop, test and sustain their product lines.

Vision

Networking and control will drive the next phase of innovation in an increasingly connected industrial world. We strive to provide cutting-edge industrial grade technologies and services to enable this revolution.



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