

# Lean Engineering is a

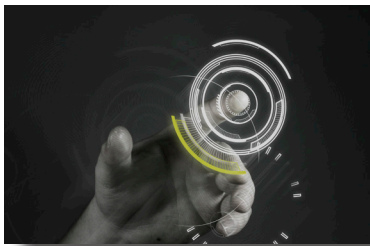
journey towards the optimization  
of efficiency, quality and  
lead-time throughout  
your 3D PLM based  
product development  
processes

## Hidden Efficiency

For as good as your end product may be, do you ever wonder where you can find additional efficiencies within your environment?

## Expertise and a Proven Methodology

The Dassault Systèmes Industry Services Lean Engineering Offerings apply a proven methodology to your specific situation to help you identify and understand how you could make improvements in your existing processes. Using cutting edge technological solutions and lean processes, our team of experienced experts can analyze your environment to help you reduce cycle time and costs allowing you to invest these savings in other projects.



Dassault Systèmes Industry Services

# Lean Engineering

Are you doing the best that you can?



## Lean Options to Suit Your Needs

The DS Lean Engineering Offerings are grouped into three categories to provide options to suit your unique business needs. From high level PLM consulting through supplemental outsourcing, our three offerings enable you to locate and realize permanent cost savings and efficiencies and preserve the flexibility and intelligence in your organization as opposed to traditional off shoring models:

- Transformational Consulting
- Hybrid Engineering
- Extended Engineering



## Lean Engineering Offerings

*options tailored to meet your specific business needs*

### Transformational Consulting

*improve product development processes with high level consulting*

A comprehensive consultation that identifies the intrinsic value of your products & services and your current engineering processes. Our team will then work with you to map the PLM value stream and create a plan to ensure a successful Lean journey that will redefine your engineering processes, build tools and automations and deploy solutions that maximize your PLM value.

### Hybrid Engineering

*integrate continuous improvement through collaborative outsourcing*

A unique two-part business model that includes extended engineering and Lean Engineering transformation. Supplemental resources work with your team while a parallel Lean Engineering transformation is performed in a DSIS lab. This transformation is then applied to your current process. The result is drastically improved efficiency of your product development activities.

### Extended Engineering

*temporarily expand staff capacity with supplemental resources*

A team of experienced engineers and technicians available for temporary project assignments or full program deployment. Access and leverage our team's experience while upgrading internal skills to reduce cycle time, improve quality, and concentrate on innovation.

For more information, contact:

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#### About Dassault Systèmes

As a world leader in 3D and Product Lifecycle Management (PLM) solutions, Dassault Systèmes brings value to more than 115,000 customers in 80 countries. A pioneer in the 3D software market since 1981, Dassault Systèmes develops and markets PLM application software and services that support industrial processes and provide a 3D vision of the entire lifecycle of products from conception to maintenance to recycling. The Dassault Systèmes portfolio consists of CATIA for designing the virtual product - SolidWorks for 3D mechanical design - DELMIA for virtual production - SIMULIA for virtual testing - ENOVIA for global collaborative lifecycle management, and 3DVIA for online 3D lifelike experiences. Dassault Systèmes' shares are listed on Euronext Paris (#13065, DS4.PA) and Dassault Systèmes' ADRs may be traded on the US Over-The-Counter (OTC) market (DAST4). For more information, visit <http://www.3ds.com>.

Over 14 years of collaboration with customers in a variety of industries applying our expertise to improve product development processes, including:

- Automotive Stress and Crash Analysis
- Aircraft Interior Completion Engineering
- Nuclear Plant Maintenance Simulations
- Industrial Machinery Design
- Automated Drafting
- Engine Design
- Assisted Engineering Quality Assurance
- Electrical Design
- Composite Design
- Air / Water Systems
- Automotive Parts
- Finite Element Analysis
- 2D - 3D Modeling
- 3D Simulations
- 2D - 3D Data Conversions
- Manufacturing Support
- Full DS Software Suite

#### Current Customer Results:

- 35-75% cost reduction
- 20-75% cycle time reduction
- Total quality
- Maintenance simulation and work processes analysis led to savings of approximately US\$ 2,000,000.
- High level customer satisfaction

