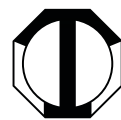


HEAVY ENGINEERING



Technosoft Engineering

Innovation ★ Reliability ★ Flexibility



Technosoft's

Heavy Engineering Services



**Mining / Earthmoving
Equipment Design &
Development**



**Steel Processing
Equipment**



**Shipbuilding Applications
and Marine Applications**



**Energy, Utility & Power
Generation**

The manufacturers of heavy equipment are challenged to provide machines which are safe, reliable, high-performing and comfortable. The customers in mining, steel, earthmoving, marine and energy & utility segments demand innovations to meet emissions regulations as well as hybrid telematics and hydraulics to improve the worksite performance and efficiency.

The heavy machines need to be configured with unique specifications. In this complex and highly competitive global market, Technosoft Engineering provides its PLM solutions to produce successful products with quick turn-around times. The experienced team at Technosoft specializes in Engineering Design, VAVE, Product Design and Development, Engineering Analysis and Automation Services

Product Development Life Cycle



Concept Design

NPI, CPI, Localization

Detailed Design and Validation

Design for Manufacturability Assembly Cost.
Validation for Strength Performance Reliability.



Prototyping

Manufacturing Validation, Process Development,
Mechanical Tool Design, Workcell Design,
Ergonomics & safety, Supplier Collaboration

Production

Manufacturing support, Transfer System, Packaging
Material Flow, Assembly & Digital, Simulations,
NC & CMM Programming



Product Launch

Technical Publication, Product Documentation,
User Manuals, Technical Manuals,
Maintenance & Services, Manuals

Our End-to-End Engineering Design Solutions

● Product Engineering

Benchmarking, Product Design, Performance Development, Surface Development Manufacturing Drawings

● Manufacturing Support

Test Support, Rapid Prototyping, Pre-Production Programs, Material identification Supplier Management

● Electrical Engineering

Electrical Design & Detailing, Plant Automation Engineering, PLC & HMI Programming, Automotive Electrical System & Harness Design, Embedded System Development

● Value Engineering

Cost Analysis, Value Analysis, Product Redesign, Material Optimization, Weight Optimization

● Design Validation

Test Correlation, Analytical Modeling, Validation of Regulation, Digital Manufacturing, Root Cause Analysis

● Product Sustainance

Obsolescence Management, Software Sustainance, EOL Support, RoHS Services

Engineering Tools & Technologies

CAD

SOLIDWORKS
Creo
Autodesk Inventor
Solid Edge
Siemens NX
CATIA V5
AutoCAD

CAE

HyperWorks
ANSYS
MSC Nastran

Automation

Siemens
Rockwell (AB)
Mitsubishi
Honeywell
GE
ASP, .NET, PHP, JAVA

Technical Publication

Adobe FrameMaker
Adobe Illustrator CS
Adobe Photoshop
Adobe InDesign
IsoDraw
3D Max Studio
Corel Draw

Benefits We Offer



Help you design and develop reliable and robust products while maintaining the global regulations



Tackle the high degree of complexity during various stages of product design and development



Reduce the product development time and time to market



Detailed modeling, validations, simulations, prototype testing and more

GLOBAL LOCATIONS.

● India

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About Technosoft

Technosoft is a global technology services company offering broad-based Engineering and IT services using a variety of client-partnership models for delivery. Technosoft's client base spans various industry verticals including Heavy Engineering, Industrial Equipment, Machinery & Robotics, Off-Highway Equipments, Transportation, Automotive, Medical Devices and Consumer Electronic Products. The company's client base is primarily centered in the US, UK and Germany. Technosoft's center of excellence for engineering is located in Mumbai, India.

Technosoft is a wholly-owned subsidiary of Technocraft Group, a publicly-traded, 45-year old manufacturing and engineering conglomerate. Technosoft derives its core engineering expertise and financial strength from Technocraft Group and leverages its network in over 20 countries.

In North America, Technosoft operates through its subsidiaries Technosoft Engineering, Inc. for general engineering services and Technosoft Innovations Inc. based in Morrisville, NC, focuses on end-to-end product development for medical devices, consumer products, automotive infotronics and telecom equipment.

For more information, Contact us at

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— www.technosofteng.com —