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## Technology Consulting and Services Engineering and Systems

*Whether the work involves systems, components, materials, or software, engineering design, reliability improvement, or process optimization, Eogogics consultants can provide the expert help or staff augmentation you need to get the job done timely, and get it right.*

➤ **Related course offerings:**

- Mechanical Engineering and Manufacturing
- Reliability Engineering: Root Cause Failure Analysis, FMEA
- Engineering Creativity Enhancement Techniques
- Software and Systems Engineering

### **Mechanical Engineering and Manufacturing**

- Advice on the implementation of engineering creativity enhancement techniques
- Poka-Yoke implementation
- Plastic materials selection
- Tolerance stack analysis
- Cost reduction review

### **Reliability Engineering: Root Cause Failure Analysis, FMEA**

- Failure Modes and Effects Analysis (FMEA)
- Root Cause Failure Analysis (RCFA) investigation planning and advice
- Failure prevention in systems and structural components
- Statistics and design of experiments
- Analysis of fracture, corrosion, wear, and deformation
- Characterization of (prototype) structural component/assembly characteristics (microstructure, mechanical properties, composition)
- Material and process specification clarification

## Software Engineering

- Object oriented requirements definition, analysis, and design
- Software development process improvement and reengineering
- Software project management improvement and reengineering
- Software team dynamics and effectiveness studies