



Project Assistance for Performance Improvement: Profit, Quality, Productivity, Safety

Why Should Your Company Participate?

Our students are bright, capable, hardworking, and very eager to apply their knowledge and skills to real-world problems and opportunities. You'll find that they:

- Provide a fresh perspective on existing problems and their solution.
- Enable your organization to tackle more improvement projects.
- Collect meaningful data and information.
- Use fundamental improvement principles and tools to design solutions.
- Design with payback, return on investment, human factors, and implementation in mind.

Areas of Expertise

- Process Reengineering
- Computer-based Modeling and Simulation
- Lean Production, Workstation and Cell Design
- Facility Layout and Material Handling
- Information System and Database Design
- Statistical Process Control and Design of Experiments for Quality
- Ergonomics and Safety
- Economic and Cost/Benefit Analysis

Broad Application

Our students have used the tools and techniques learned in their classroom studies to successfully solve problems in:

- Manufacturing, Assembly, and Fabrication
- Service Businesses and Processes
- Education, Healthcare, and Government
- Supply, Distribution, and Logistics

Confidentiality

Agreements concerning proprietary information are made on a case-by-case basis.

Professional Quality Deliverables

At the project's completion, our students provide your organization with:

- A hard-hitting executive summary.
- Documented, detailed analyses.
- Focused recommendations and their economic effect.
- A professional oral presentation.

Typical Project Approach and Scope

Two or three, senior-level industrial engineering students work with a faculty advisor and your personnel to define the project and its plan of attack. Projects last 16 weeks - from August to December and from January to May – and involve a scope of work that you would expect a dedicated entry-level engineer to complete in 8 to 10 weeks.

Project Cost

Our services are free, subsidized in part by state taxes and student tuition and fees. Many companies, however, make a donation to the OSU Foundation to help support undergraduate industrial engineering education.

Getting Started

Contact Dr. Bill Kolarik, P.E. (405-744-6055, kolarik@okstate.edu) or Dr. Paul Rossler, P.E. (918-594-8289, prossle@okstate.edu) and provide us with a short description of the problem you'd like solved.

Did You Know?

We're the oldest IE program west of the Mississippi River, established in 1925. To learn more, please visit our website at <http://www.okstate.edu/ind-engr>.