

What ISEs Do

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Industrial & Systems Engineers (ISEs) work to make things better, including: processes, products and systems.

Depending on the type of industry, Industrial & Systems Engineers may do all (or some) of the traditional Industrial Engineering activities, including:

- Root Cause Analysis problem solving
 - Process Improvement & Product Flow Analysis
 - Lean/Six Sigma Projects
 - General Project Management with small Teams
 - Inventory Control & Supply Chain Management
 - Production Scheduling & Shop Floor Control
 - Standard Data Development & Time Studies
 - Cost Estimating & Product Cost Development
 - Distribution, Transportation & Warehousing
 - Facility Planning & Layout
 - Strategic Planning & Long Range Forecasting
 - Safety & Ergonomic Reviews
 - Maintenance & Tooling Studies
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- Some ISEs work in specialty industries/organizations like Hospitals, Construction, Defense Contractors, and Government agencies (both Federal & State)
 - Some ISEs do Consulting work (both Engineering Consulting & Management Consulting)
 - Some ISEs go into Management (at all levels, including Senior & Top Management positions)
 - Some ISEs do Research in a Commercial Lab environment or at a University
 - Some ISEs teach at Engineering Schools
 - Some ISEs are full time writers and engineering book editors

The Institute of Industrial & Systems Engineers (IISE) has a *Career Center* section on their website that further describes what ISEs do.

<http://www.iise.org/details.aspx?id=388>