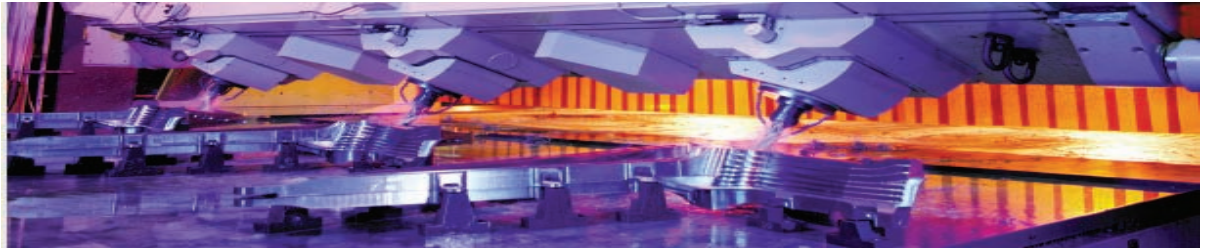


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#### Relevant Industries

Engineering Design & Construction  
Equipment Manufacturers  
Electronics  
Chemicals  
Oil & Gas  
Energy



#### Relevant Functions

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Control Engineers  
Chemical Engineers  
Electrical Engineers

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**Process industries run on tight margins.** Fortunately, new methodologies combined with technological advances in control and automation make greater monitoring, reporting and communications possible. Real-time data enables real-time decision making. Businesses with the know-how to leverage these methods and technologies can quickly adjust, optimize production, increase margins and energize business.

Knovel's subject area Process Design, Control and Automation was developed to help process engineers and control engineers increase efficiency through the design, simulation, modeling and control of industrial scale processes.

While technology advances can lead to significant process gains, to do it, engineers must learn about the technology and adapt. Process Design, Control and Automation helps by providing:

- Best practices for quickly selecting, sizing and integrating instrumentation
- Information on best-in-class technologies keeps users up-to-date; companies may develop expertise in-house
- Recommendations and basic know-how from unbiased information sources to complement infobases from control technology manufacturers
- Modeling methods and techniques to design systems with different or even unknown parameters

Topics include:

- Control Systems
- Control Theory and Optimization
- Process Data Management and Security
- Process Modeling and Simulation
- Sensors and Instrumentation for Control and Measurement

Unbiased information provided from the leading publishers & societies including:

- ISA (International Society of Automation)
- SIAM (Society for Industrial and Applied Mathematics)
- Cambridge University Press
- IET (The Institution of Engineering and Technology)
- Industrial Press
- Wiley