

Design Of Experiments

What is it?

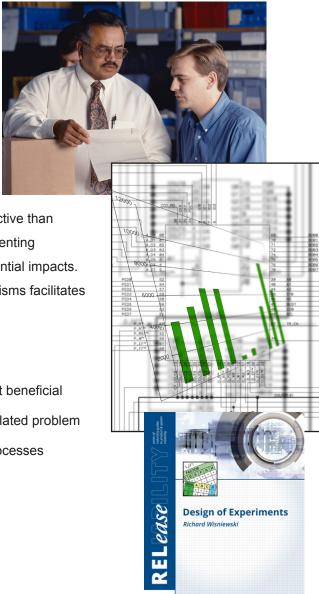
Design Of Experiments is a technically- and cost-efficient statistical methodology for assessing the effects of experimental factors on response variables of interest. If effectively used, the effects of many variables on a complex system can be examined simultaneously.

What's the payoff?

Experimentation using DOE approaches is much more cost-effective than exhaustive testing of all system variables one-by-one, or implementing process and design changes without prior knowledge of the potential impacts. Identification/mitigation of design/process failure modes/mechanisms facilitates reliability growth.

How can we help?

- > Evaluate your processes to determine where DOE may be most beneficial
- > Implement a DOE plan to solve a specific design- or process-related problem
- > Develop models that affect the variable relationships of your processes
- > Train your staff in the effective use of DOE



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