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After successes in manufacturing, lean expands to other disciplines

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Lean has become an established paradigm in all high-class manufacturing enterprises. In recent years, Lean has also made huge inroads into other disciplines, including Systems Engineering, Project Management, Healthcare, Aerospace, and even Banking. The speaker will review the gains made by Lean methodology in those industries. He will end with a call for use of Systems Thinking when approaching modern challenges of industry, the nation and the globe.

Biography

Bohdan W Oppenheim is a Professor of Systems Engineering at Loyola Marymount University in Los Angeles, and founder and co-chair of INCOSE Lean Systems Engineering Working Group, the largest Group of INCOSE. He co-led the project developing Lean Enablers for Systems Engineering (LEfSE), and served as an expert in the joint INCOSE-PMI-MIT project developing Lean Enablers for Managing Engineering Programs, integrating Lean Systems Engineering with Lean Project Management. He authored the book *Lean for Systems Engineering with Lean Enablers for Systems Engineering* (Wiley, 2011), and co-authored *The Guide to Lean Enablers for Systems Engineering* (PMI, INCOSE, MIT-LAI, 2012). He was awarded two Shingo Awards, INCOSE Best Product Award, INCOSE Service Award, and other recognitions. His engineering degrees include PhD from Southampton, U.K.; Graduate Engineer's Degree from MIT; MS from Stevens Institute of Technology; and BS (equiv.) from Warsaw University of Technology in Aeronautics. His industrial experience spans offshore, space, software, and mechanical engineering, including several major aerospace programs. His credits include five books, 20 journal publications, \$2.5 million in externally funded grants, and a 30 year industrial experience.

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