

LEAN ADVANCEMENT INITIATIVE





Vision and Mission

The Lean Advancement Initiative (LAI) at MIT enables enterprises to effectively, efficiently, and reliably create value in complex and rapidly changing environments.



LAI enables the focused and accelerated transformation of complex enterprises through collaborative stakeholder engagement in developing and institutionalizing principles, processes, behaviors, and tools for enterprise excellence.



LAI Members Share a Common Goal: Enterprise Excellence

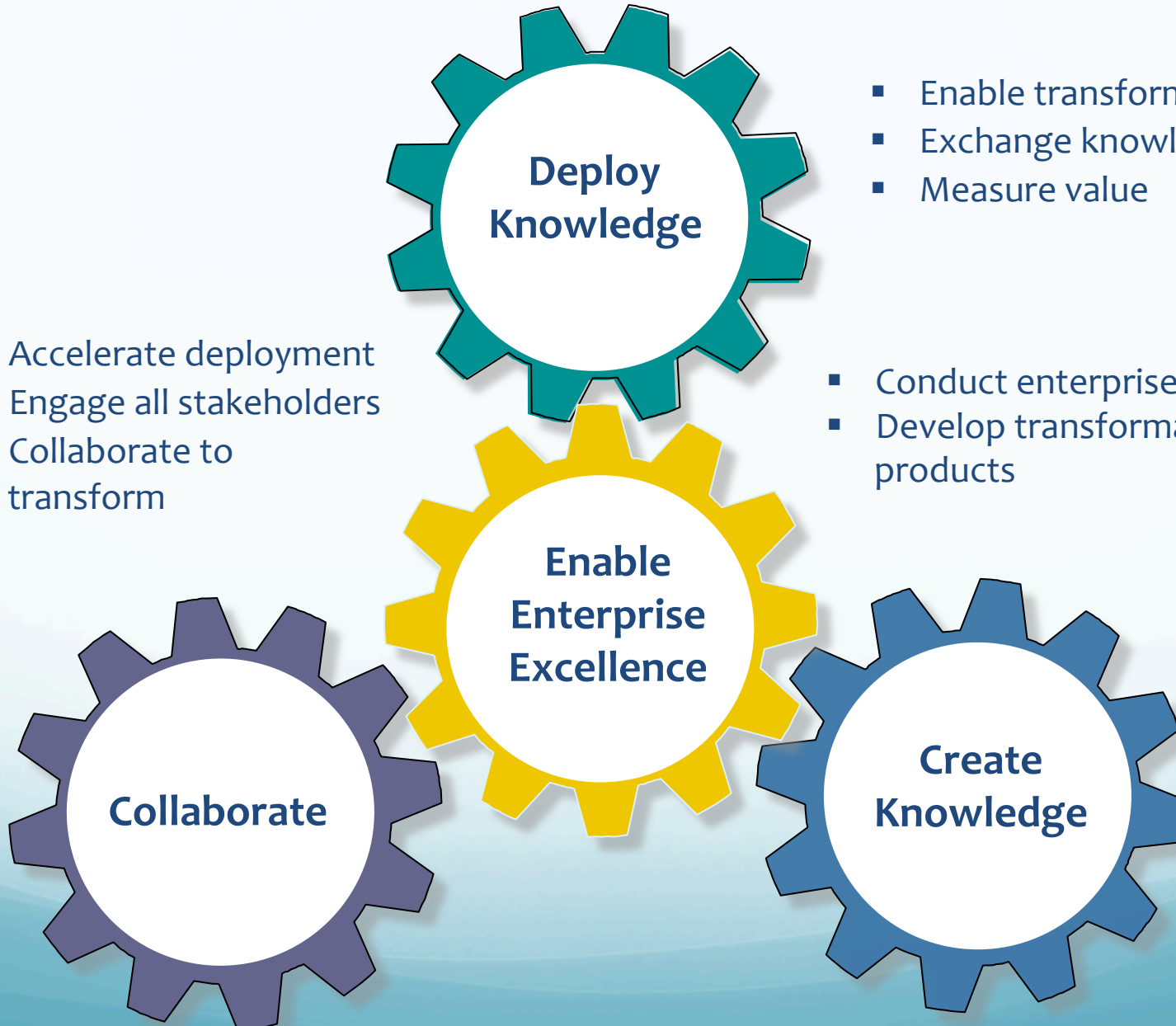


LEAN Advancement Initiative
CLUSTER • MÉXICO
SEDE • UPAEP



LAI Operating Model

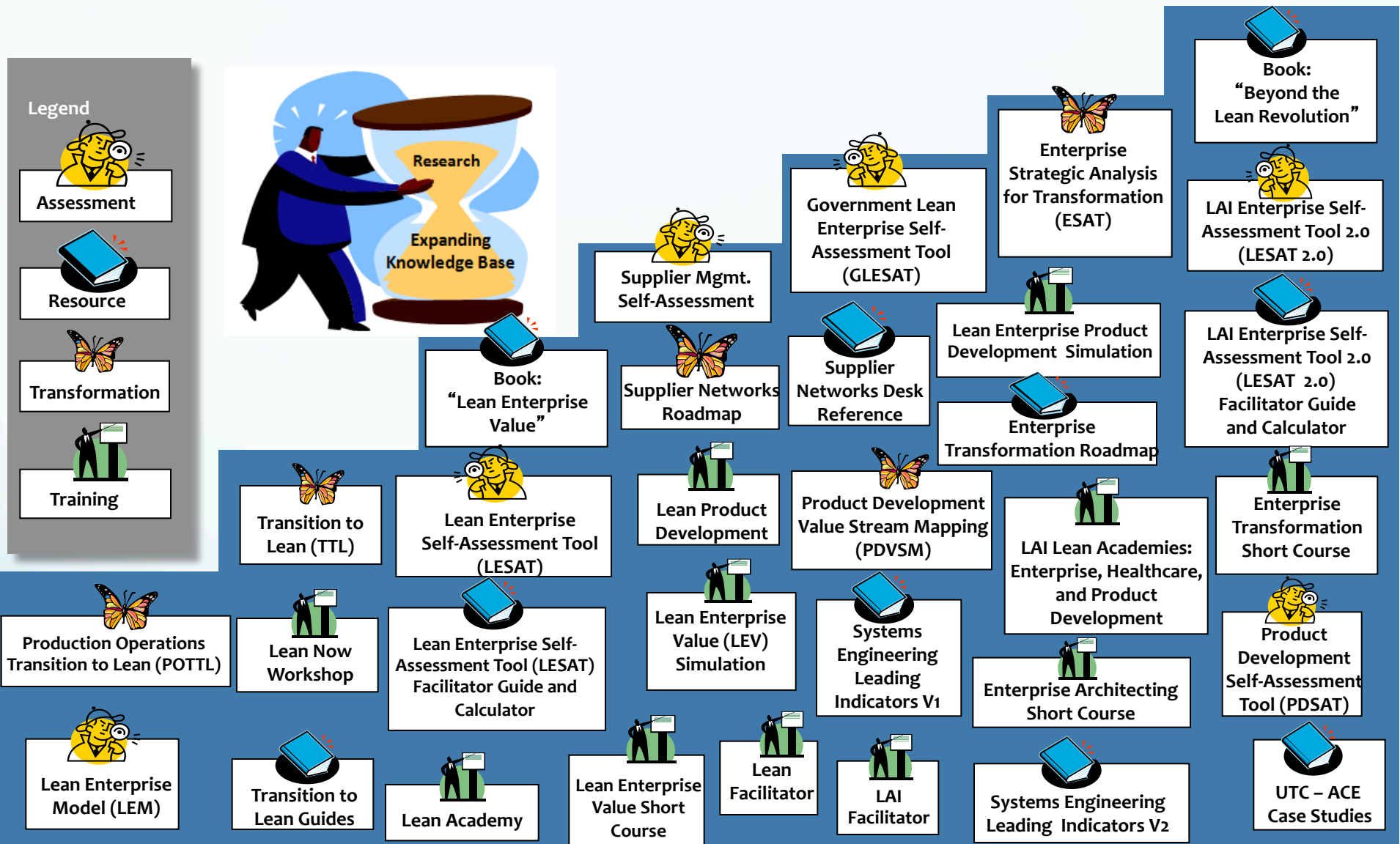
- Accelerate deployment
- Engage all stakeholders
- Collaborate to transform



- Enable transformation
- Exchange knowledge
- Measure value

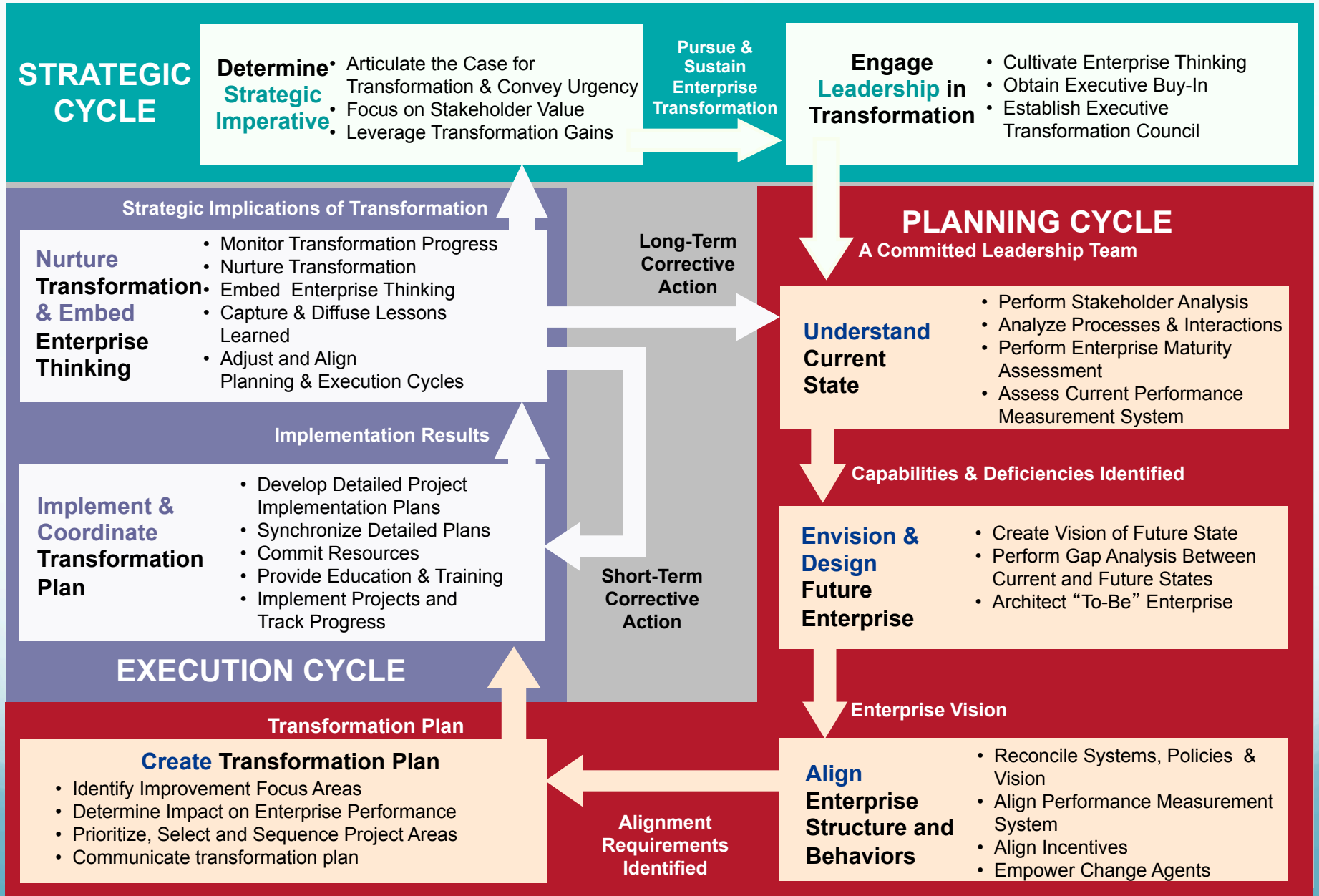
- Conduct enterprise research
- Develop transformation products

Co-Evolving Research, Products and Tools

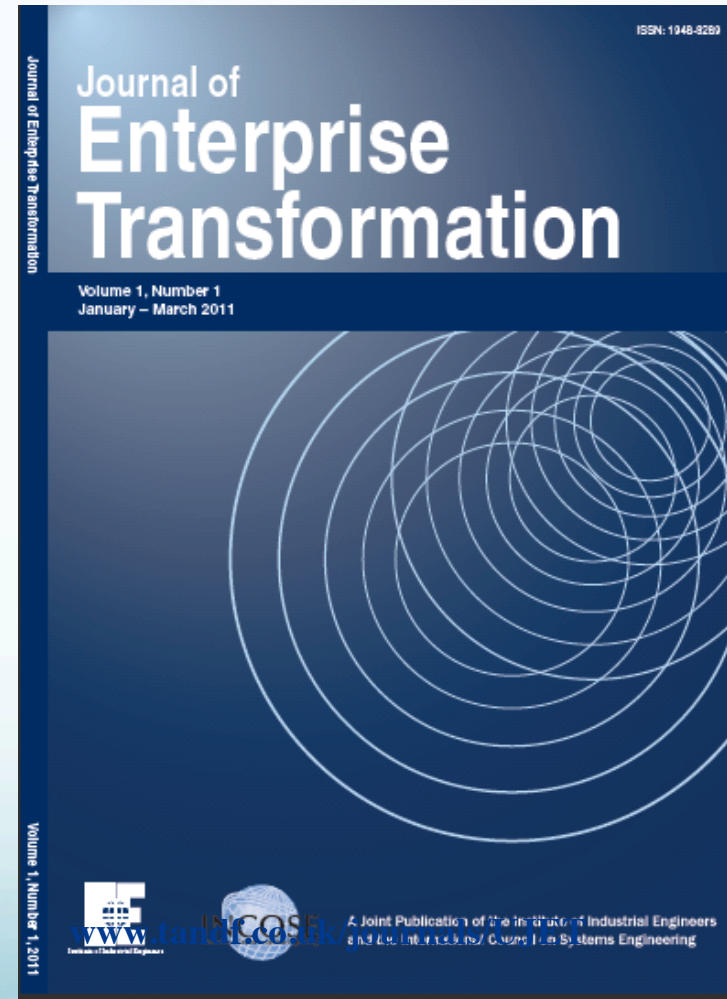




Lean Enterprise Transformation Roadmap



- Quarterly international publication launched in 2011
- First four issues focused on:
 - Intellectual agenda of enterprise transformation
 - Enterprise change and continuity
 - Enterprise modeling
 - Enterprise transformation in action
- Collaboration w/Institute of Industrial Engineers and International Council on Systems Engineering
- Editors-in-Chief Deborah Nightingale, LAI, and Ricardo Valerdi, University of Arizona
- Managing Editor Nicolene Hengen, LAI

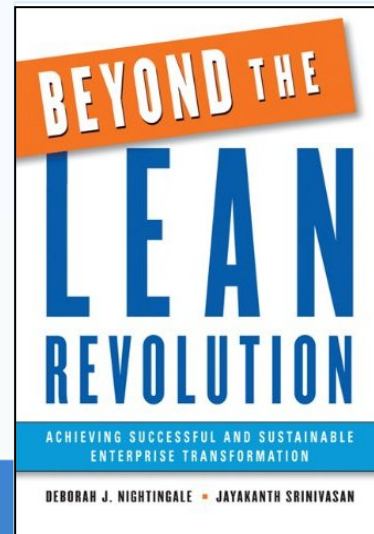


Codifying LAI Knowledge: Book Released August 2011

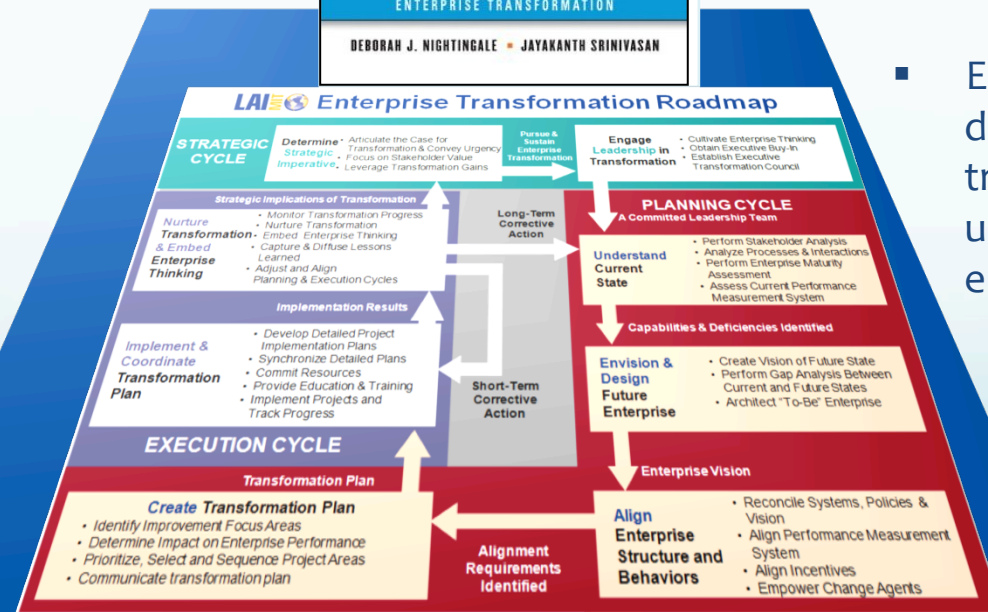
Prof. Deborah Nightingale
 and Dr. Jayakanth Srinivasan
 AMACOM Press

Structure

- Strategic Context (4 chapters)
- Lenses of Current State Analysis (5 chapters)
- Achieving Transformation (3 chapters)



- Designed for senior leadership, middle management, and graduate students
- Emphasis on the doing of transformation using LAI's enterprise roadmap



Evidence of LAI Impact on Enterprise Transformation

- Rockwell Collins is an enterprise that has translated “islands of success” into holistic enterprise transformation supported by LAI Knowledge and tools.
- Consistently ranked as the best avionics company by Aviation Week
- ROIC of 30+% is best in class in the aerospace and defense sector

"We see great value in belonging to organizations such as LAI, to network, identify better practice, and as a thought partner. Some of our best ideas were derived from other people who were struggling with their own Lean journey as we were and who were graciously willing to share their successes and their failures."



Clayton Jones, CEO
Rockwell Collins

"Textron Systems' lean transformation is a journey, and one that has benefited enormously from the resources and assistance provided by the Lean Aerospace Initiative. LAI has offered Textron Systems an important connection among academia, industry, and government that has given our company insight into lean research, practices, tools, and products that we would not have had access to otherwise. Our ongoing journey, though challenging, has been made easier by LAI's one-stop shop for lean research, colleague interaction, and product application."



Richard Millman
President (Ret.)
Textron Systems

"Pratt & Whitney and UTC have been associated with LAI for over 15 years. The research and technologies of this organization will continue to be sought out as guides for the future development path of both industry and the services associated with aerospace."



Thomas Farmer
President (Ret.)
Pratt & Whitney

- Early access to research results
- Opportunity to participate in communities of practice
- Opportunity to hire highly trained graduate students
- Email event announcements
- Periodic LAI Research Highlights
- Monthly executive board reports

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