opportunities for industry

integrating engineering, management, and systems thinking to address complex challenges in product design, development, and innovation
Jointly offered by the MIT School of Engineering and the MIT Sloan School of Management, the System Design & Management (SDM) program educates mid-career professionals to lead effectively and creatively by using systems thinking to solve large-scale, complex challenges.

SDM’s master’s program provides:

- a global mindset;
- a systems thinking perspective that integrates management, technology, and social sciences; and
- ways to lead across organizational and cultural boundaries to address rapidly accelerating complexity and change in today’s global markets.

Graduates earn a master of science degree in engineering and management from MIT.
Interaction between SDM and industry is integral to the program and beneficial to both companies and students. Companies can get involved in the following ways:

- sponsoring class projects, internships, and thesis research
- providing guest lecturers in SDM classes and events
- judging product design and development projects
- hosting plant tours and tech treks
- participating in SDM-sponsored conferences and other events
- hiring SDM graduates
- sponsoring employees in SDM’s academic programs
  - SDM’s master degree program in engineering and management, with flexible 13-24 month options—on campus, commuter, or distance
  - SDM’s one-year graduate certificate program in systems and product development, offered primarily at a distance
- participating in customized activities based on your company’s goals
companies collaborating with SDM*

Altman Vilandrie & Company
Amazon.com
Analog Devices
Applied Materials
Bank of America
bioMérieux
Boeing
Cisco Systems
Cummins
Deloitte Consulting
Draper
EMC
Ernst & Young
Ford
Google
Hewlett-Packard
Instrumentation Laboratory

Intel
John Deere
Lawrence Livermore
Lockheed Martin
Microsoft
MITRE
Novartis
Raytheon
Sears Holdings
Thomson Reuters
United Technologies
US Air Force
US Army
US Coast Guard
US Navy
*Partial list
John Deere is building a global core capability in systems engineering in part by investing in a broad range of SDM activities. Key technical employees have applied their in-class learnings to projects and theses that address company-specific challenges. We are also actively engaged in SDM’s annual systems thinking conference, as well as presenting and participating in its ongoing webinar series. These opportunities provide rich dialogue between Deere and MIT and promote a learning exchange for all.

Howard R. Gerwin, Manager, Advanced Systems Engineering, John Deere

benefits of SDM collaboration

- recruiting MIT’s best and brightest mid-career technical professionals who are adept at using systems thinking to address the engineering, business, and socio-political components of large-scale, complex challenges in product design, development, and innovation
- sponsoring student research on specific company challenges, via theses, internships, and class projects, with access to MIT faculty and other project advisors
- access to the latest MIT research in systems design, architecture, and other areas critical to successful technical leadership
- developing strong relationships with SDM fellows and others at MIT by participating in the annual SDM systems thinking conference, bi-monthly webinars, tech treks, SDM-sponsored MIT clubs, and other activities
contact SDM

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