

PLM Executive Short Course

Session Description

Intent: The scope of this 7-hour session includes the presentation of today's view and vision of the global PLM market and technologies. The overall intent of the session is to provide a broad overview of the PLM market, including trends, system architectures, and critical elements of success. This session will include presentations, discussions, and a set of interactive exercises.

Session Outline:

- *Session Introduction*
A discussion of the PLM market status, including recent history, today's facts and figures, and key market trends that can help an attendee understand the market's evolution. Trends discussed include social product development, the platformization of PLM, systems engineering, etc.
- *Elements of a PLM Solution*
Definition—A definition and description of a PLM solution, what it is and how its various components fit together. This provides a broad definition for PLM, and positions PLM with regard to other related technologies, such as CAD, software engineering, and ERP/MRP II tools.
Functionality—A description of the functionality required to support PLM. This includes a description of the functional areas that make up typical PLM solutions and a discussion of each of them; what they are and how they work, what they are used to achieve, examples of how they are supported in commercial PLM enabling solutions.
Architecture—A discussion of issues related to the architectures of PLM solutions, including distributed system operational requirements, user interfaces, applications interfaces, platform issues, service oriented architectures, etc.
- *The Expanding Reach of PLM*
This discussion introduces PLM's key expansion areas. These include functional areas of an extended enterprise where PLM has yet to be applied or where PLM has recently begun to show applicable benefits. Some of these areas include: portfolio management, requirements management, digital manufacturing, mechatronics, and simulation and analysis.
- *An Introduction to the PLM Commercial Landscape*
This discussion provides an overview of the commercial landscape for PLM solutions, including a review of leading PLM solution providers and their offerings. This session will describe today's "mind-share" PLM solution providers with a specific focus on the PLM solution providers that support the region in which the Short Course is being delivered.
- *PLM Benefits*
This discussion provides an overview of the types and magnitude of benefits that can be achieved through the proper adoption of a PLM strategy and supporting technologies. This session will include the review of a selected set of actual benefit examples from various industrial companies.
- *Best Practices for PLM Strategy Definition & Solution Selection*
This discussion provides a set of high-level guidelines for developing a PLM strategy and executing a solution evaluation and selection. Ideally, these best practices help organizations reduce the time it takes to get to implementation, identify and quantify associated risks, and better manage and control project costs.
- *Best Practices for PLM Deployment, Monitoring & Continuous Improvement*
This discussion provides an overview of the main activities associated with the successful deployment, monitoring, and continuous improvement of a PLM solution as well as a look at the importance of organizational change and the six key success factors.