

Best Practices for Site-Based Projects

Boost the cost, schedule, and operability performance of your site-based projects. Learn Best Practices used by the world's leading project systems.

COURSE SUMMARY

Sustaining and maintenance projects can represent up to 70 percent of capital portfolios for process industry organizations. Independent Project Analysis (IPA) research has found that these projects are frequently less successful than larger projects executed by the same company. By sharing data-driven Best Practices and key learnings from decades of research, this course provides participants the knowledge needed to improve site-based project performance.

The course materials have been enhanced with the latest IPA research on **portfolio management, Constructability Reviews, Value Engineering, owner estimating systems, team effectiveness, project controls**, and more. New interactive case studies and hands-on breakout exercises are incorporated to drive understanding of key concepts.

Because most site-based projects executed in operating facilities involve some amount of revamp work, a portion of the course is dedicated to the critical issues that revamp projects face and outlines strategies to address those issues.

BENEFITS

- **Increase** your ability to contribute to the process of planning and executing site-based capital projects
- **Learn** proven Best Practices that directly correlate with better project outcome performances
- **Understand** how practices can be implemented to overcome barriers to success
- **Gain** a unique and holistic view of developing capital projects from a global leader in project benchmarking and research

COURSE BACKGROUND

All course instruction, presentations, and supplementary course materials are rooted in IPA's decades of experience evaluating project and project systems and conducting quantitative research into capital project issues and trends. IPA maintains a proprietary database with information on thousands of projects on which to base its analyses and studies.

REGISTER ONLINE

www.ipaglobal.com/events



PRIVATE DELIVERY

This course is currently only available for private delivery. It can be tailored to your organization's needs and delivered at your preferred location.

Contact the IPA Institute for more information:
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REQUEST INFO

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COURSE TOPICS

Measuring Capital Effectiveness	How Best Practices shared in this course are derived. IPA's methodology to accurately measure capital project effectiveness. How a set of metrics, including benchmarks and indices, can be used to understand performance.
Portfolio Management*	Examples of project environment challenges for site-based projects. What is project project management? Common barriers to effective portfolio management. A four-phase portfolio management process. Key scheduling tasks for portfolio management.
Front-End Loading (FEL) and the Gated Process*	Advantages of implementing and adhering to a stage-gated process. The process of Front-End Loading and its phases in the capital project lifecycle, including the objectives, key elements, and main deliverables. Additional leveraging practices used during FEL: Constructability Reviews and Value Engineering. How IPA measures the quality and completeness of Front-End Loading. Specific considerations for microprojects.
Team Effectiveness*	Common barriers to successful team development. IPA's Team Development Index for Site-Based Projects. Team composition issues for specific key core team functions.
Robust Estimating Systems*	Key components of a strong owner estimating system. Practices and methodologies that sites use to achieve sound estimates. The optimal definition level for project cost estimates and schedules at authorization. Scheduling practices that significantly improve both predictability and competitiveness for site-based projects.
Contracting Strategies	Four key dimensions of a contracting strategy. Different types of contracting formats and their advantages and disadvantages. How using incentives influences site-based project outcomes. Key factors to consider when developing a contracting strategy.
Execution Excellence and Project Controls*	Project controls and fundamental control activities. Problematic issues for site-based projects. Best Practices for project controls throughout all capital project phases. IPA's Project Control Index (PCI). Negative effects of project manager turnover.
Fundamentals of Project Management**	Definition of a project and the project life-cycle. Different project selection models. Approaches to integrating project management into the organizational structure.
Successfully Integrating Site-Based Projects With Turnarounds**	The need for integration between capital project teams and maintenance turnaround teams. Key phases for integration and areas where integration is important. Best timing for completing integrating tasks.

* Module added and/or updated for 2020 to include the latest IPA research

** Flex module included in the course depending on the audience

WHO SHOULD ATTEND?

This program is intended for owner company project professionals interested in learning how to develop and implement an effective site-based project delivery system.

**THE IPA
INSTITUTE**

Advancing Project Knowledge

www.ipaglobal.com

Why the IPA Institute? The IPA Institute is the training and education division of Independent Project Analysis (IPA), the world's leading advisory firm on capital projects. Our courses equip industry leaders and capital project practitioners with Best Practices for projects, portfolio, and project system management/delivery. All course instruction, presentations, and supplementary course materials are rooted in IPA's unparalleled capital project knowledge.