It is the complexity of industrial megaprojects rather than size that presents the greatest challenge and leads so many down the pathway to failure. By identifying the root causes of success and failure and sharing strategies to succeed, the IPA Institute has educated project professionals around the globe for the last several years on how to navigate the complexities of megaprojects.

However, complexity transforms the leadership requirements from project management to project leadership. New IPA research shows that successful leaders display very different personalities and backgrounds from unsuccessful leaders. Building on the IPA Institute’s original Megaprojects course, this revamped version shares key research findings linking project leader background, education, and personality characteristics to actual project outcomes.

Those responsible for leading complex projects will gain greater insight into personal strengths and areas for improvement. Project organizations as a whole will benefit by better understanding how to select the right person to lead a complex project and deliver the desired business results.

**A REVAMPED MEGAPROJECTS COURSE**

**BENEFITS**

- **Understand** the project leader’s role in generating successful project outcomes
- **Gain** insight into the unique characteristics of successful leaders of complex projects
- **Learn** different strategies required for megaprojects, versus smaller, less complex projects
- **Understand** the critical drivers of megaproject success
- **Identify** the key criteria to select megaprojects that best meet business needs
- **Recognize** the resourcing needs to effectively manage, plan, and execute a megaproject
- **Discover** the risks for defining and executing megaprojects and risk mitigation approaches
- **Implement** a formal opportunity shaping process to stabilize the project environment

**NEW TOPIC COVERED**

Teams & Leadership

See reverse for details

**DATE & LOCATION**

October 8-10, 2019
Perth, Australia

**EARN 22 PDUs**
COURSE BACKGROUND
All course instruction, presentations, and supplementary course materials are rooted in IPA’s decades of experience evaluating projects and project systems, and conducting quantitative research into capital project issues and trends. IPA maintains a proprietary Megaproject Database with detailed information on hundreds of megaprojects in the petroleum, minerals, chemicals, and power industries. These projects represent an average cost of $3.5 billion (in 2010 terms) and over 80 sponsor organizations. Each megaproject is characterized by over 3,000 project attributes that enable IPA to perform detailed analyses regarding the project phases, project management practices, and performance.

COURSE TOPICS

<table>
<thead>
<tr>
<th>TOPIC</th>
<th>Description</th>
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<tbody>
<tr>
<td>IPA Data and Methodology</td>
<td>Introduction to the IPA approach. The basics of benchmarking. Essential terms and concepts. Overview of IPA’s megaproject database.</td>
</tr>
<tr>
<td>Devising the Shaping Strategy</td>
<td>Overview of shaping strategy. Shaping and project development process coordination. Linking shaping errors and omissions to failure. Successful and unsuccessful shaping examples.</td>
</tr>
<tr>
<td>Basic Data</td>
<td>The meaning of basic data. When the basic data should be complete and available. Risk areas for basic data problems. Consequences of incorrect basic data. Root causes of basic data mistakes.</td>
</tr>
<tr>
<td>Teams and Leadership</td>
<td>Owner teams and their leadership are critical to success. The project leader’s role in delivering successful results. The characteristics of successful complex project leaders versus unsuccessful leaders.</td>
</tr>
<tr>
<td>Organizing Megaproject Teams</td>
<td>Megaproject organizational complexity and challenges. The role of organizational charts. Organizational models.</td>
</tr>
<tr>
<td>Translating Ideas and Data to Scope (FEL 2)</td>
<td>The goals of Front-End Loading (FEL) 2. FEL 2A: Scope selection. FEL 2B: Scope completion.</td>
</tr>
<tr>
<td>Preparing to Execute (FEL 3)</td>
<td>Measuring FEL. The role of FEL in maintaining value. Megaproject FEL challenges. Critical project context areas. FEL duration considerations.</td>
</tr>
<tr>
<td>Control of Execution Risks</td>
<td>Overview of project controls. Monitoring and control priorities during execution. The importance of detailed engineering slip. The effect of labor availability and productivity. Practices to address labor-short environments. Risk management.</td>
</tr>
</tbody>
</table>

WHO SHOULD ATTEND?
This course is intended for those with at least 5 years of project management experience, including assignment to at least one complex or difficult project. Attendees should be knowledgeable about phased, stage-gated processes for project development and basic project concepts.

REQUEST INFO

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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.

www.ipaglobal.com