MORE EFFICIENT DELIVERY OF CAPITAL PROJECTS CAN GENERATE SAVINGS OF AS MUCH AS 25% ON NEW PROJECTS, OR 15% SAVINGS ON TOTAL INFRASTRUCTURE INVESTMENT.

— ACCORDING TO MCKINSEY GLOBAL INSTITUTE’S INFRASTRUCTURE PRODUCTIVITY: HOW TO SAVE $1 TRILLION A YEAR, JANUARY 2013.
Is your organisation prepared for today’s challenges in the Oil and Gas sector?

Efficient management of major capital projects has never been so critical. Companies are navigating instability within global economic conditions and corporate revenues, increased governmental and environmental legislation, and greater demands by company stakeholders for reduced risk; all the while, facing pressures for greater transparency and vigilant safety.

In this environment, the opportunity for growth and competitive advantage is being fueled by constant investment towards innovation, upgrades, and new development of capital projects, which comprise a significant percentage of overall spend for most organisations.

… Or do your projects continue to face overruns, wasted time and dollars?

The best opportunity to make a positive impact on the certainty of a capital project is during the early planning stages; even prior to the capital outlay occurring. In many cases, 80% - 90% of the engineering and procurement cycles are completed during the necessary and robust front-end planning.

If your team does not have the knowledge and skills to account for requirements, risk, stakeholders, communication, cost analysis, and management of process and people in a masterful way, it will inevitably lead to overruns, delays, wasted time and dollars.

Ensuring that your teams are developed into highly skilled project professionals will provide you with the right formula for greater project success.

Learning to manage projects more effectively minimises these risks

With a training provider that understands your challenges and tailors programmes for your needs, you can maximise your training investments and be prepared with a blueprint for future project certainty.

Case studies, discussions, and exercises are centered on common upstream Oil and Gas operational situations – making what you learn immediately relevant and transferable.
Customised Training Solutions for the Oil and Gas Sector

Designed specifically for those working in and supporting the O&G industry, ESI has developed a set of interactive case studies and exercises that are woven into several critical project management courses. The curriculum makes learning relevant and transferrable. In a safe environment without real-life project risks, students will plan, develop documentation, and acquire new knowledge to align to the applicable planning and execution stages of an Upgrader Facility Maintenance and Upgrade Turnaround “Project”.

Takeaways

By taking these courses, “Project Team” members will be provided with realistic information, budgets, specifications and scenarios to create and document approaches, actions and accountabilities throughout the project management life cycle, including:

- Project scope
- Requirements Documents and Work Breakdown Structures
- Manage resources and stakeholders
- Scheduling and cost control
- Benchmark and monitor progress
- Manage project risk
- Adapting to changes mid-stream

Project Simulation Synopsis

Participants form a mock project team in the fictional world of North Oil Sands Energy Company (NOSEC) and their “Two North” Upgrader Facility Maintenance and Upgrade Turnaround Project.

NOSEC is an independent company engaging in oil sand exploration (20% focus) and production (80% focus). The “Two North” operation includes oil sands mining, crusher facilities, and an Upgrader facility and Power Cogeneration Plant plus supporting services infrastructure.

NOSEC has determined that the necessary expansion to the Upgrader facility, the logged cyclic maintenance and outstanding repairs warrant conducting a Turnaround at not only the Upgrader facility but the Mining Operations and Cogeneration Plant. For the Upgrader Facility Turnaround, the objective duration is 65 days and the objective cost is USD $580 million.

The “Pre-execute” planning will include both the engineering and procurement required to support the Turnaround – shutdown of the facilities, removal of hydrocarbons and other fluids associated with the equipment scheduled to be maintained, repaired, replaced, or upgraded. The completion of commissioning, reintroduction of hydrocarbons and facility start-up encompass the “Execute” phase.

Benefiting a Wide Audience Involved in Upstream Projects

Our Oil and Gas curriculum enables the mastery of vital project skills, from foundational to advanced levels for the following roles:

- Project sponsors, managers, and project engineers
- Commercial and contracts analysts and managers
- Risk managers and business analysts
- Purchasing and procurement managers who will be supporting projects
- Contractors and consultants contributing to projects
- Operational staff stakeholders
- Governance staff and auditors who will be reviewing project performance
- Anyone who needs to interface with and speak the “language” of projects
An Overview of Our Recommended Core Courses for Oil and Gas Professionals:

Courses are available via Instructor-Led Classroom Training and Virtual Classrooms. Participants also earn valuable Professional Development Units (PDUs) to maintain their professional credentials.

Managing Projects
Through hands-on activities, you will learn a step-by-step process for planning and managing projects of any size, focusing on defining, organising, planning, tracking and managing a project – and emerge confident to apply new concepts and techniques to your ongoing assignments.

- Upstream Oil Sands gas and oil facility shutdown and turnaround scenario utilised for case study, exercises and discussions
- Use essential project management tools and techniques and apply fundamental principles
- Describe project manager roles and responsibilities across the project life cycle
- Define and develop the foundations of a project plan to include project requirements document (PRD), work breakdown structure (WBS), budget, schedule and necessary resources
- Manage and control of the project against baseline
- Close out a project effectively

Scheduling and Cost Control
You’ll learn to manage the constraints you face in any project: time, human resources, materials, budget and specifications.

Gain insight into a framework for scheduling and controlling project activities, and master techniques for estimating, forecasting, budgeting, monitoring, controlling, analysing and reporting costs and interpreting the meaning of earned-value data.

- Upstream Oil Sands gas and oil facility shutdown and turnaround scenario utilised for case study, exercises, and discussions
- Use the work breakdown structure to develop a network diagram
- Calculate the schedule and cost estimates using PERT and CPM
- Plan for schedule, scope, and cost variations
- Predict future performance based on historical data
- Predict, assign, and tabulate resource requirements
- Monitor changes and close out projects on time

Risk Management
Projects involve many risks such as cost, schedule and resources. As a project manager, you need to be aware of any and all risks that could affect your project. In this course, work through the proactive approach to threat and opportunity from both a top-down and bottom-up perspective using ESI’s proven eight-step risk management process, and gain confidence in responding to risk at the project and task levels.

- Upstream Oil Sands gas and oil facility shutdown and turnaround scenario utilised for case study, exercises, and discussions
- Implement a practical, eight-step process to manage project risk
- Identify threats and opportunities and determine their relative value to your project
- Control multiple risks using concise strategies
- Overcome psychological barriers to risk within stakeholder and team members
- Integrate risk and opportunity identification and mitigation within project plans

An Overview of Our Recommended Core Courses for Oil and Gas Professionals:
The Impact of Project Training

Over 90% of our Energy learners agreed that they learnt new skills that can be applied back to their job.

At ESI, we know that learning investments must be linked to improved business performance. Hence, we ensure that training effectiveness results and business impact are demonstrated and documented.

The following is a summary of performance improvement and programme quality results, reported by ESI’s students in the energy industry throughout 2012.

Performance Improvement AND BUSINESS IMPACT

63% of students in the Energy industry reported that their job performance had improved as a result of the knowledge and skills they learned through ESI training 60 days after the event.

They predicted that their job performance would improve by 47% in the next 12 months and that 51% of their improvement would be due to their participation in the ESI training programme.

Energy project and contract managers were asked to identify the business impact delivered back to their organisations for their participation in the training events.

61% reported improved effective communications in their jobs.
59% reported increased quality as a result of the training.
50% reported decrease risk as a result of the training.

Programme Quality AND EFFECTIVENESS

91% of Energy learners reported that they learned new knowledge and skills in ESI training courses.

72% of Energy learners reported success in applying the knowledge and skills learned in training on the job 60 days after the training event.

94% responded positively to questions asked about instructor performance, interactions, and engagement in the classroom.

90% responded positively to questions asked about the courseware, including relevance of examples used in class and the scope of the materials.
Working With You to Put Knowledge Into Practice

Training is a valuable investment in propelling organisations forward, but can be costly when ineffective. As a global training provider, we have worked widely with Fortune 500 companies and take pride in how our clients have entrusted their training needs to us over the years.

For over three decades, our experienced instructors have become true partners to our clients for their training needs, from foundational through advanced project skills.

Clients We Have Helped

We have collaborated with many of the world’s largest companies in exploration and production, drilling and oilfield services, and leading engineering and construction firms. Clients we have partnered with include:

- British Petroleum
- Exxon Mobil
- Royal Dutch Shell
- Chevron Corporation
- Halliburton
- ConocoPhillips
- Hatch
- Schlumberger

And many more organisations in the Oil and Gas sector

Our clients tell us we’re better and different – providing full assessments of projects; teams and individuals to benchmark learning needs and progress; and ensuring metrics are documented to allow clients to validate investment.

If you have identified gaps in your project team’s capabilities or would like to improve your projects’ success rates, start a conversation with us today.