

Petrogenium. Academy

Project Management

Managing Capital Projects in the Front-End

Consultant / Trainer

Laurent Spring & Stuart Arnott



The **Petrogenium**. Managing Capital Projects in the Front-End course will offer practical guidance to participants on how to manage and approve multi-disciplinary and multifunctional projects in the front-end, from project kick-off to Final Investment Decision. Application of this course will enable participants to effectively reduce project recycles, delivery delays, increased costs, that have negative impacts on overall economics and resulting loss of credibility in delivering projects as per promises. This objective is achieved through the implementation of industry-leading practices in Front-End Loading, Integrated Project Management, and Governance decision-making.



Participants

This **Petrogenium**. Course focuses on senior individuals with a minimum of 10 years experience in their discipline and in capital projects. Participants should hold a senior position with responsibilities for leading and integrating various aspects of capital projects. This includes senior professionals in project support functions (Project Services, C&P, Technology, Operations & Maintenance, Construction,..). Another key target audience are individuals in project governance roles, whether they represent the operator, joint-venturers, or government regulatory and oversight bodies. This course will greatly deepen their understanding of the essential elements required to successfully deliver projects before endorsing concepts and designs.



Learning Objectives

- How is technical scope developed at each stage until the Final Investment Decision
- Tools and techniques to optimize functional requirements and designs
- Multi-functional workflows and swimlanes as a best-in-class PM approach.
- Usage of an Integrated Project Management System (IPMS)
- The limitations of decisions that can be made by the Project Team and identify decisions that fall under the purview of Governance
- Purpose, requirements, and timing of Project Assurance

Programme

Day 1	Day 2	Day 3	Day 4	Day 5
ASSESS STAGE		SELECT STAGE		DEFINE
Stage Gate process and Assurance	Concepts Identification	Technical scope development in SELECT	Concept Selection Assurance review	Technical scope development in DEFINE
Integrated Project Management System	VIP in ASSESS	Defining the functional requirements	Basis for Design: Optimising functions through VIP	Freezing the FEED design and scope
Front-End Loading	Concepts shortlisting	Cost & Schedule estimations	Integrated Technical Review	Project execution readiness
Early benchmarking and Project Framing			Cost Estimations & Schedule Assurance Review	End-DEFINE project assurance
Technical scope development in ASSESS			External Benchmarking	Tendering and FID
Value Improvement Practices (VIP)				

Why select Petrogenium.?

The above support will be provided by principal consultants with 30+ years world-class experience in the technology and hands-on know-how from operation of refinery units.

Contact Petrogenium.:

Email: training@petrogenium.com

Website: <https://www.petrogenium.com/training/>

Because Experience Matters