



Technical University
of Leoben

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DEPARTMENT
GEO ENERGY

Pipeline Engineering Programme

Module MC12: Project Management



Key Facts

- ✔ **Duration:** 1 week (5 teaching days)
- ✔ **Format:** In-person & online (Leoben, Austria)
- ✔ **Language:** English
- ✔ **Certificate:** Micro-Credential (ECTS transferable)
- ✔ **Prerequisites:** Technical background, basics of pipeline engineering recommended; none required

Key Learning Outcomes

1. Understand the stage-gate process for project implementation
2. Gain insight into essential project management principles, including the stage-gate approach, PMI knowledge areas, roles and responsibilities, organizational structures, and project delivery models
3. Build a tailored toolkit for efficient and effective project management
4. Develop, monitor and control project schedules, deliverables, budgets and resource allocations
5. Acquire basic knowledge of service, supply, and construction contracts
6. Conduct risk assessments and apply appropriate risk-mitigation strategies
7. Identify stakeholders and manage stakeholder engagement

Module Overview

This module offers a comprehensive overview of pipeline project implementation, covering all stages from the initial concept to the start of operations. After an introduction to the fundamental principles of pipeline project management, students will take on specific roles - such as project owner, engineer, PMC, EPC contractor, or supplier - and collaboratively manage a fictitious pipeline project. Through this hands-on approach, the students will learn to establish a shared understanding of project objectives, jointly mitigate execution risks throughout all project phases, and work together efficiently and effectively through to project completion.

Schedule

Day	Morning Session	Afternoon Session
1	Introduction to Pipeline Project Management	Fundamentals of Pipeline Project Management
2	Introduction of Fictive Pipeline Project	Organizing the Project
3	Appraise and Select Phase	Appraise and Select Phase
4	Define Phase	Execution Phase
5	Phase out and start of operation	Feedback session and Certificate Presentation

Instructor: Dr. Andreas Linke - Senior Advisor Energy Infrastructure

Andreas has over 30 years of experience in the energy sector, specialising in pipeline project management and the transport and distribution of petroleum products. He has led major international projects, including the Trans-Asia Gas Pipeline, and has strong expertise in CAPEX/OPEX modelling, project finance, and advising governments and institutions on grid expansion and green molecule transport. His background also includes scientific work, teaching, R&D leadership, board roles, and over a decade as managing director of a consulting firm. More information at www.andreaslinke.net

