## Why Project Management: from Nano to Mega?

- You get acquainted with the theory behind project management but you also experience how to work in multidisciplinary project teams
- You will obtain multiple examples from project management practices in different technical domains
- Several teachers in this minor have experience in performing (large) projects in companies like ASML, AT Osborne, Shell and TNO
- You learn how to write a thorough project execution plan

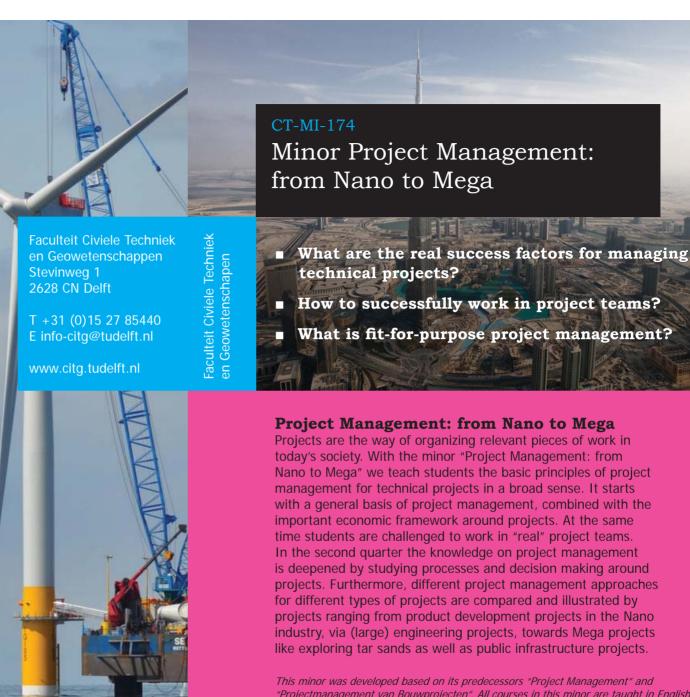
### What students are we looking for?

- BSc students from all TU Delft faculties with an interest in multidisciplinary project management in the technical domain (ranging from Nano technology to Mega structures)
- BSc students from other universities with an interest in the management of technical projects

#### Information

Dr. Ir. Marian Bosch-Rekveldt Faculteit Civiele Techniek en Geowetenschappen Integral Design and Management T +31 (0)15 27 84771 E m.g.c.bosch-rekveldt@tudelft.nl

www.minors.tudelft.nl

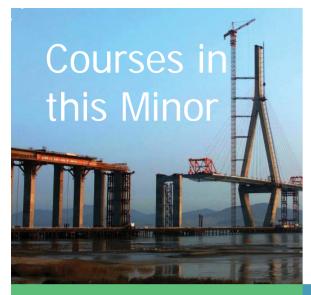


"Projectmanagement van Bouwprojecten". All courses in this minor are taught in English.

www.minors.tudelft.



**Challenge the future** 



### Schedule

CT3101
Project
Managemen
Basics

CT3102 Financial and Legal Aspects of Projects

CT3103 Integration Technical Project

TPM610A
Process
Management
and Decision
Making

CT3104 Pr Fit-for-Purpose Project Management

# Project Management Basics [5 ECTS]

In this course general PM principles are taught: iron triangle, trade-offs, scoping, scheduling, risk management, monitoring and control, project start-up, project close-out, etc. The project life-cycle acts as a basis. Project success is elaborated: what seems successful at first sight might be very unsuccessful and vice versa. This course is based on lectures with several assignments.

## Experiences from students in the predecessor programs

"It really broadened my view, compared to my technical Bachelor program"

"The minor gave me a good impression about project management in real companies"

# Financial and Legal Aspects of Projects [5 ECTS]

This course focuses on the economic and legal aspects of projects: the more financialandbusinesssideofp rojects. What is the added value of a project for the company and how do projects fitinthetotalportfolioofan organization? Also contracting methods are discussed. This course is based on lectures with several assignments.



This course focuses on fit-for-purpose project management: tailoring project management to particular types of projects. Project management practice is illustrated using various cases (a.o. oil and gas industry, infrastructural works, innovation projects, ICT-industry or manufacturing). Student teams have to write essays, leading to their own fit-for-purpose project management approach.

## Integration: Technical Project [10 ECTS]

In this course, the gained knowledge is combined and applied in a multidisciplinary project consisting of writing and delivery of a project execution plan and the (partial) execution of such a plan in competitive setting. Working in small teams, also the "people side" of projects is studied. This course combines the student's BSc background with the PM knowledge obtained in this minor.



## Process Management and Decision Making [5 ECTS]

This course teaches students to recognize a process management approach in a context where the primary paradigm is project management. Recognizing the process management approach in practice enables students to develop and extend their future set of tools and knowledge, next to a project management approach. The focus is on assessed assignments in teams.

