M.Sc. Management and Engineering in Structural Engineering and Risk Management of Industrial Facilities (MME-CONSTRUCT)

Pursue a career in multidisciplinary fields of industrial facility designs and gain the skillset to become a leader in the structural design and risk management sectors.

As an MME-CONSTRUCT Graduate you will

- ▶ bring management skills to industry, public sector and non-governmental organizations
- ▶ be able to carry out site- or structure-specific risk analysis using modern tools to estimate the threat of different types of hazards
- ▶ gain the skill-set and competences to work at the interface of technology and business administration



1 Study Program, 2 Fields of Study: Management and Civil Engineering

- Structural Analysis and Computational Methods I
- Steel Structures in Industrial **Applications**
- Structural Dynamics
- Individualized Construction
- Strategic Management
- ► German Language Course
- **Electives** (example)
- Structural Control and Health
- Monitorina

- ► International Factory Planning
- ► International Profject Management
- ▶ Design of Concrete Structures for Industrial Facilities
- ► Design and Detailing of Nonstructural Industrial Components and Equipment
- ► Risk Management and Decision under Uncertainties

2nd

- ► Probabilistic Risk Analysis in Industrial Facilities
- ▶ Project Management in the Context of Disasters
- ► Earthquake Engineering and Seismic Risk Assessment
- ► Engineering Ethics and Responsible **Decision Making**

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Master Thesis

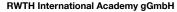
Electives (example)

▶ Introduction to Research





* 4 Semester Installments of EUR 5,500



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