

Naval Architecture and Ocean Engineering

Seminar

Subsea Case Study Presentation on Structural Analysis

by

Susana Quaresma and David Cassiano

subsea 7

Friday, 13th November 2025

Time: 11:00h

Location: V1.32 (Civil Eng. Building)



Subsea7 is a global leader in offshore solutions for the energy industry, specializing in engineering, construction, and subsea services. With operations in multiple countries and a strong culture of safety, innovation, and technical excellence, Subsea7 supports its clients in the energy transition by delivering sustainable and efficient solutions for oil, gas, and renewable projects. The company values continuous development of its employees and fosters a collaborative, multicultural environment where technical knowledge and adaptability are key to project success.

Susana Quaresma

Susana Quaresma is Manager for Structural Design & Piping at Subsea7 Lisbon, with over 16 years of international experience in civil and offshore engineering. She holds a PMP certification and an MSc in Civil Engineering (Structures). Susana has led multidisciplinary teams across Europe, including Switzerland and Norway, managing large project portfolios and engineering departments. She is known for her strategic thinking, process optimization, and commitment to quality and safety. Fluent in Portuguese, English, and German, she excels in mentoring, resource planning, and continuous improvement. Her technical expertise spans FEA, steel and concrete design, and offshore systems. Susana is a results-driven leader with a strong focus on team development and operational excellence.

David Cassiano

David Cassiano is a Principal Structural Engineer with 18 years of experience in civil and offshore projects. He holds a PhD in Steel and Composite Construction and is chartered in both the UK and Portugal. At Subsea7, he has led complex structural scopes, demonstrating deep technical expertise and adaptability. David is a published author in peer-reviewed journals and a recognized specialist in steel structures and progressive collapse design. He has successfully managed multidisciplinary teams and mentored junior engineers. Fluent in four languages, David combines analytical rigor with strong communication and leadership skills. His commitment to quality and innovation makes him a key asset to any engineering team.