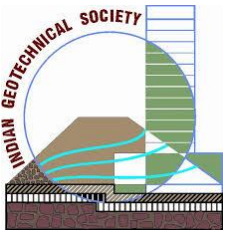


JAVA OFFSHORE



Webinar on

CASE STUDY - GEOHAZARD INVESTIGATION FOR OFFSHORE DRILLING SITES

Denny Tami, Ph.D

5th June 2020, 5pm (India) / 730pm (KL)

Organised by:

Dr. Parthasarathy

Chairman of the Indian Geotechnical Society (IGS) - Bengaluru Chapter

Webinar ID: 856 4942 2593 - Password: 888306

About the Presenter

Dr. Denny Tami

- Indonesian / Singapore PR
- BSc in Civil (ITB 1995, *cumlaude*); MSc (ITB 1998, *cumlaude*); Ph.D (NTU Singapore 2003)



Personal Info



25-year experience in geotechnical field

- 5 years at Bandung Institute of Technology, Indonesia
- 3 years at Nanyang Technological University, Singapore
- 4 years at CSC Piling Specialist, Singapore
- 6 years at Fugro, Singapore
- 7 recent years at Java Offshore, Singapore - KL - Jakarta



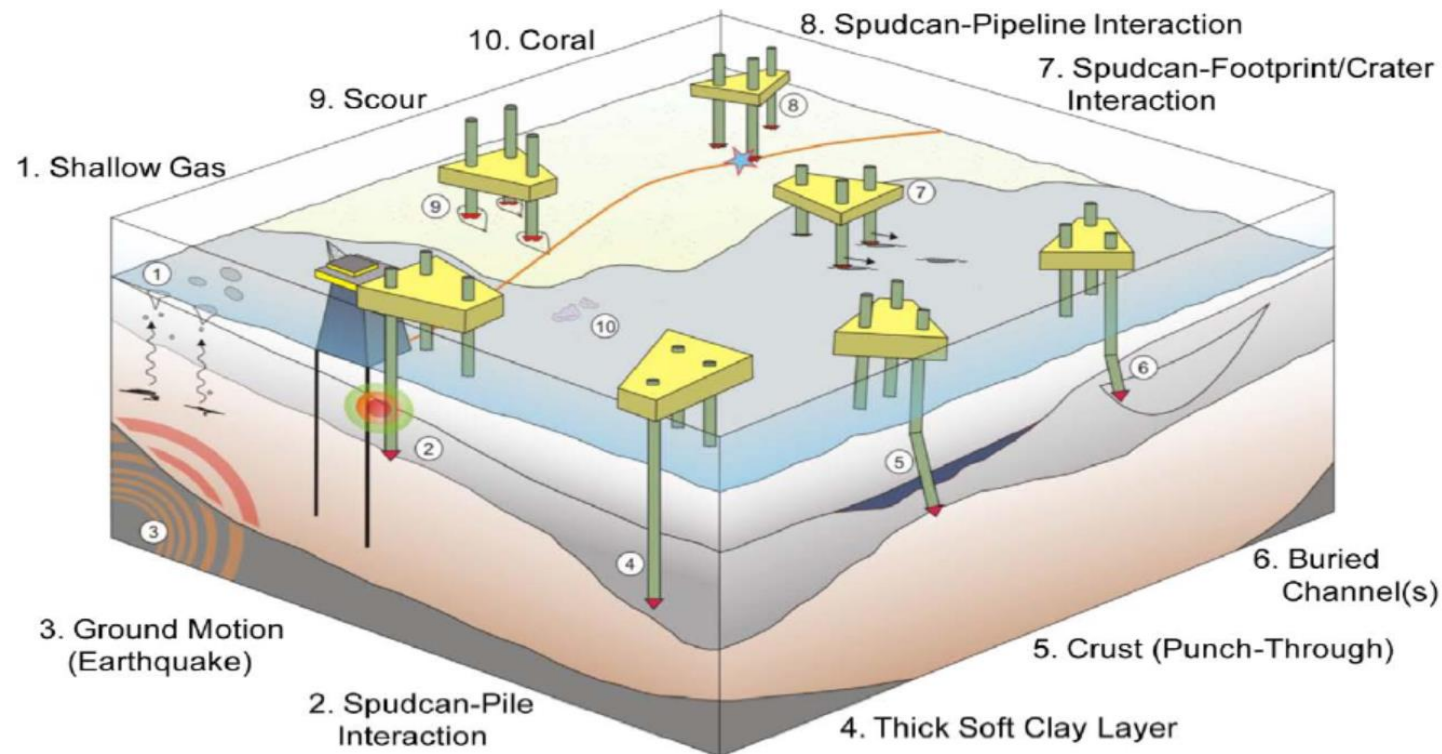
Current role & responsibility

- VP | GeoConsulting – Java Offshore



Webinar Overview

Geohazard Investigation or Survey is performed throughout a well life cycle from exploration, development, production, monitoring and decommissioning. The purposes of geohazard investigation are to identify, map and evaluate or quantify the impact of geohazards on planned activities and well operations. Hence, costly stability problems and dangerous accidents during offshore drilling activities due to various geohazards can be prevented.



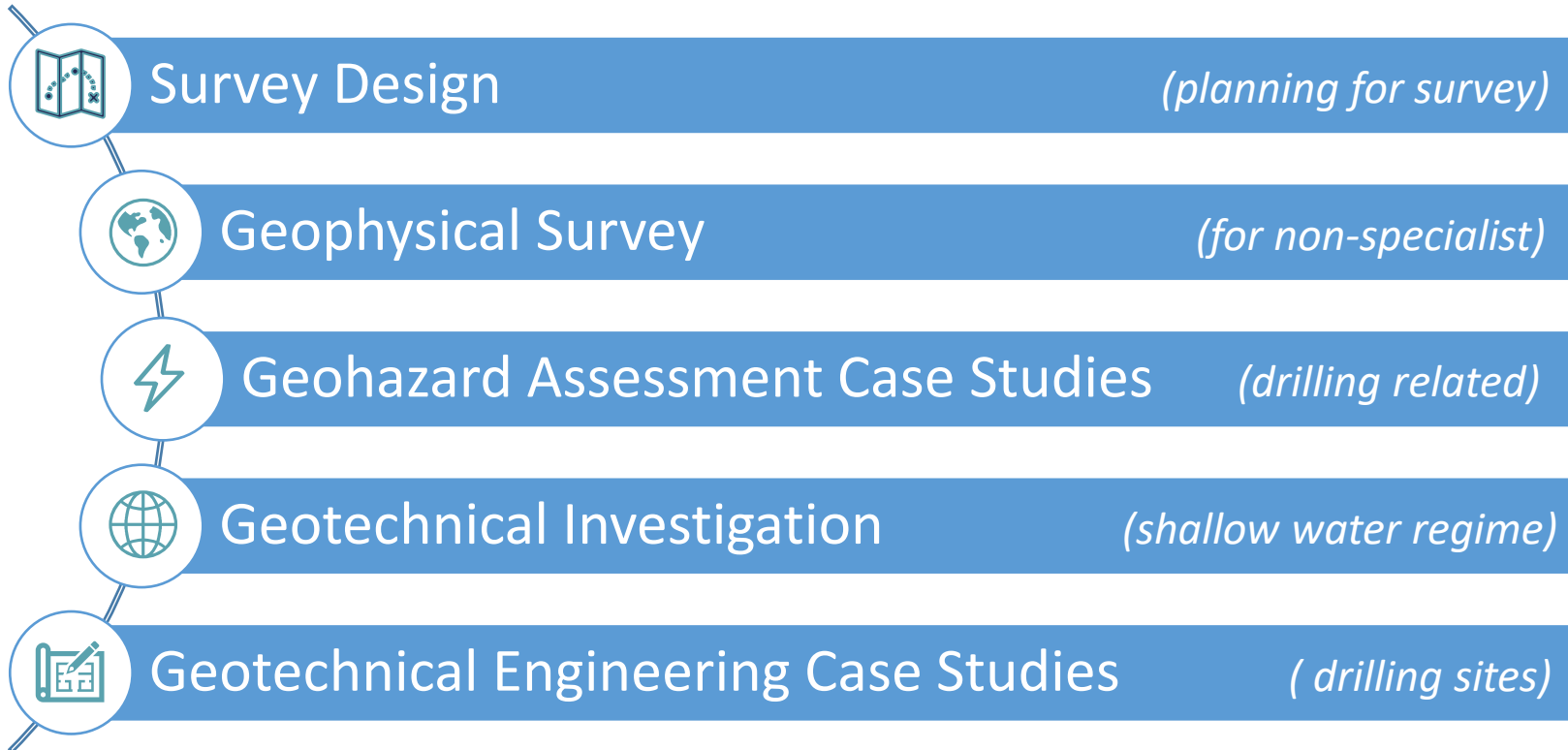
The term geohazards refer to features of the geologic origin or human-made, on and/or beneath the seafloor, that poses a threat to engineered structures. The main devastating effects of geohazards are loss of lives, rig sinking, pipeline burst, environmental pollution, or structure collapse. The less harmful impacts have severe financial consequences as well as significant project delays.

PCSB 3D Conceptual Block Model for Jack-up Foundation Hazards

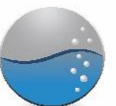
Source: OTC-28345-MS, Regional Suitability Mapping PRSM Project – An Update (Rohani et al, 2018)

Outline & Objective

What to expect from this webinar:



- Understanding the need both Geophysical & Geotechnical surveys
- Sharing case studies, related to geohazard in offshore drilling sites



Learning Point



Why we need both Geophysical & Geotechnical surveys.



Simplifying data is necessary, but failure to understand the data details is fatal

(real case = jackup punch through)



Wrong mind “Engineering is the ONLY important process”:

- Always put qualified & experienced people
 - Soil is not homogeneous material, need good judgment.



Perception that Geophysical & Geotechnical surveys are not seen as important by engineers due to the work being lower value as opposed to EPC work.

