

## Industrial Hygiene: Brunei Darussalam



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## Introduction

- Situated on the north-western edge of the island of Borneo
- Area: 5,765 sq kilometres (2,226 sq miles)
- Population: approximately 408,000 (2010)
- Crude oil & natural gas & SMEs account 90% of its GDP



## Industrial Hygiene in Oil & Gas

- 5 IHS and 1 IH Technician
  - 3 with formal IH education
  - 1 from working experience - CIH
  - 1 IH trainee
  - 1 IH technician trainee
- Embedded in Occupational Health Team



## Industrial Hygiene in Oil & Gas

- IH Activities
  - Health Risk Assessments
    - Identify, Assess, Control and Recovery
    - Input into Projects
    - Operations & Turnarounds activities
- Exposure Monitoring:
  - Asbestos
  - Benzene & other hydrocarbons
  - Crystalline silica & particulate dust
  - Hydrogen sulfide
  - Mercury
  - Noise
  - Heat stress
  - NORM



## Industrial Hygiene in Government Sector

- Occupational Health Department,  
Ministry of Health
  - 2 Public Health Inspectors
    - OSH Professional qualification with IH modules
  - 2 Health Inspectors
    - Professional qualification
    - Attended IH modules
  - 4 Occupational Health Nurses
    - Professional qualification
    - Attended IH modules

## Industrial Hygiene in Government Sector

- IH Activities
  - Light assessment
  - Noise assessment
  - Dust measurement
  - Gases measurement

## Regulation

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- WHSO 2009 enforced in 2013
  - Employer
    - Duty to ensure the safety and health of employees
    - Duty to ensure the safety and health of persons affected by him
  - Employees
    - Duty to co-operate with employer
    - Duty not to endanger himself or others
    - Duty to use PPE as intended

## Education

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- MPH – Environmental & Occupational Health
  - OEH Policy & Practice: Occupational Hygiene including workplace monitoring