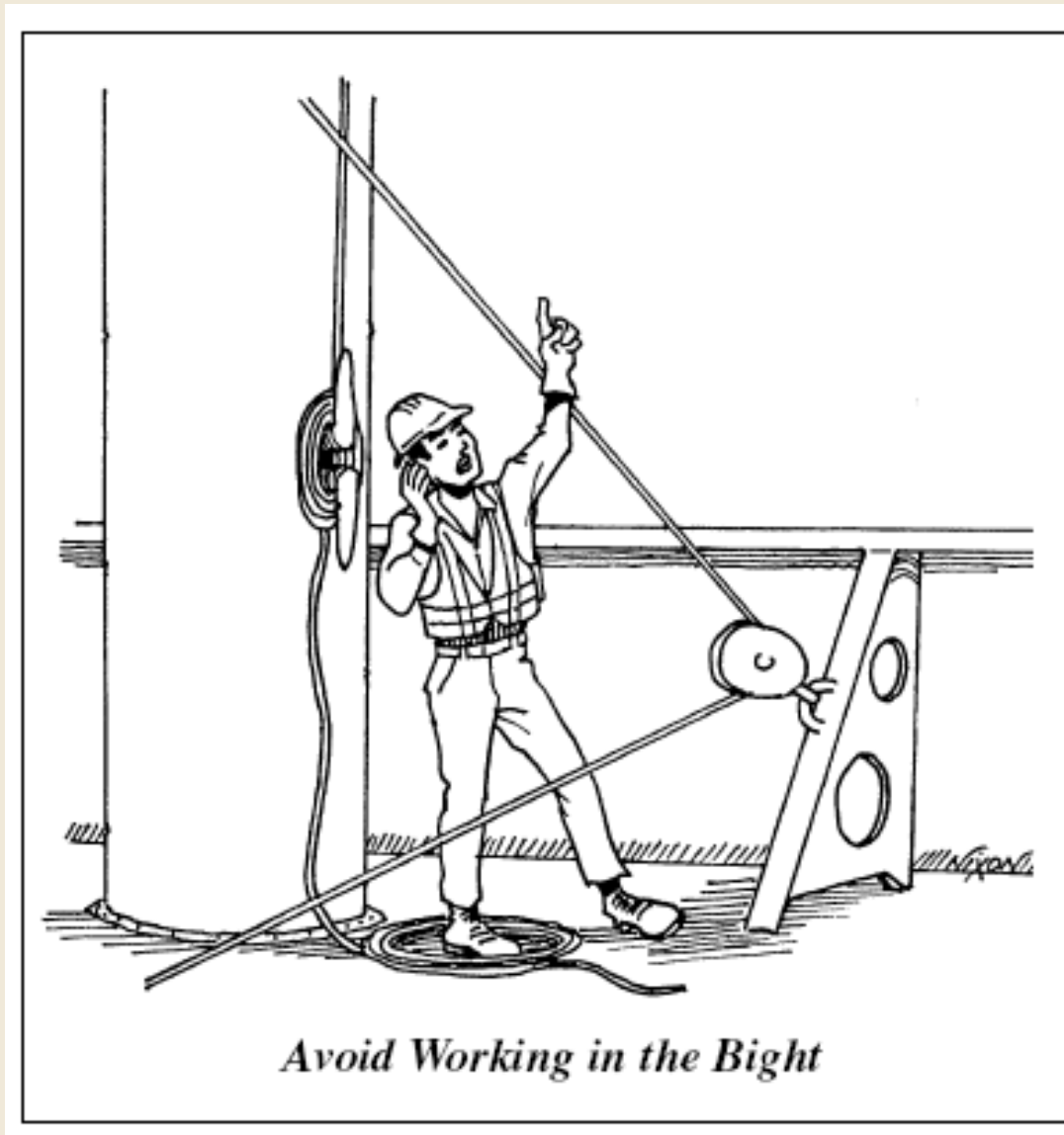




National Workshop on the Ocean Science,
Technology, and Operations (OSTO) Workforce
Monterey, California
10-12 November 2008





Introduction to Fugro GEOS

Our staff

Role of Certification in Fugro GEOS

Certification experience

Closing remarks



A major provider of physical oceanographic services to industry/government

Up to 500 employees (eligible for certification)

UK/USA/Singapore/Norway/UAE/India/Brazil/
Malaysia/Australia

What we are interested in:

Met: Wind
 Air Pressure
 Air Temperature

Ocean: Waves
 Currents
 Tides
 Salinity
 Temperature

Structural: Motion
 Strain



What we do:

Characterize

Monitor

Analyze

Hindcast

Nowcast

Forecast



Who we do it for:

Oil and gas Industry

Ports and Harbors

National Agencies

Coastal Engineers

Degrees: B.Sc, M.Sc, PhD

Disciplines: Oceanographers, Marine Scientists, Physicists, Mathematicians, Engineers

Experience: 0 – 25 Years

Accreditation: Typically none (not primary factor in recruitment decisions - yet)

Key Training: Safety, QA, PM, Technical



Fugro (GEOS) recognizes value of certification in terms of:

Training (Fugro Academy)

Career Development

Staff Retention

Marketing

Fair competition

General:

- Very active in setting up the certification process in UK
- 25% of staff certified
- 35% in progress
- Linked into in-house Graduate Training Program

Issues/Comments:

- Somewhat vague definitions of requirement has lead to confusion
- Requirements of certification have made training more balanced
- Staff perception is positive
- Preparing training materials is very time consuming

- 1/ Graduate training programs and certification are a primary factor in staff retention
- 2/ Making a it prerequisite for contracts/grants in government and private industry must be a goal
- 3/ Consider training systems like Comet to reduce the burden of preparing material on individual groups
- 4/ Include Modules on HSE and QA and Project Management
- 5/ Define requirements accurately to avoid confusion



Thank you. Any Questions?