Improving HSE at Remote Rig Sites by Adoption of Telecommunications Advances

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Outline

• What is the most important consideration of health, safety, and environment?
• What are the hazards?
• Who is exposed and how often?
• Getting people out of harms way
• Taking advantage of telecommunications
• What other benefits will arise?
Loss Prevention at Rig Sites

• Rig sites are typically fraught with hazards
• Remote rig-sites lack access to remedial services
• Several schemes exist to prevent accidents at rig-sites
• Loss prevention focuses on:
  • Preservation of life and limb of the workforce
  • Protection of the environment
  • Maximizing return on capital employed
What are the Typical Hazards?

- Trips and falls
- Struck by..
- Caught between..
- Smoke inhalation
- Poisonous gases
- Fire
- Explosions
- Road accidents
- Chemicals
- Loud sounds
- Heat

- Cold
- Drowning
- Pressure release
- High winds
- Psychological/isolation
- Flight accidents
- Rough seas
- Dropped objects
- Etc..
The Risk Matrix

Hazard Severity

Low  |  High
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Low  |  3  |  6  |  9  |  12 |  15 |  20 |  16 |  20 |
Low  |  2  |  4  |  6  |  8  |  10 |
Low  |  1  |  2  |  3  |  4  |  5  |
Low  |  5  |  10 |  15 |  20 |  25 |

Frequency of Exposure

Low  |  High
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Low  |  4  |  8  |  12 |  16 |  20 |
Low  |  3  |  6  |  9  |  12 |  15 |
Low  |  2  |  4  |  6  |  8  |  10 |
Low  |  1  |  2  |  3  |  4  |  5  |
Who Is Exposed and How Often?
Getting People Out of Harms Way

Current RigSite population
- Core Drill Team
- Client Team
- Specialist Services

Future RigSite population
- Core Drill Team
- Client Team
- Specialist Services

Off-Site population
- Client Team
- Specialist Services

Current population: 33 persons
Future population: 23 persons
33% reduction in frequency of Exposure
A Vision for the Future