

Session “Training and Competences in the natural gas chain”

Introduction

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Changing gas industry

- Availability of natural gas & security of supply
- Geographic and demographic developments
- Societal developments (safety, reliability)
- Internationalization
- Market developments (load and demand management)
- Sustainability (e.g. green gas)
- Technological developments (materials, IT, sensors)
- Economic conditions
- Merging to large European energy groups
- Unbundling

Challenges for the gas industry

- To act pro-actively on these dynamic developments in our industry
- We need skilled staff
- But which skills are needed tomorrow

Skills for Gas Industry

- Gas or Energy
- Upstream: Exploration, Production, Offshore
- LNG
- Storage, compression
- Gas flow, load & demand management
- Pipeline technology
- Customer related activities, combustion/applications
- Marketing

How to deal with this challenge?

- Defining the needs for grid operators (David Salisbury, Arthur van den Berg)
- What is already available at university level? (Gilbert Frade, Marta del Mazo & Ana Belen Camara, Arndt Heilmann)
- Discussion

CONCLUSION

- The needs
- The available courses & training programmes
- The best way to fill the gaps