

Success of EMRP ENG58 MultiFlowMet

Multiphase flow metrology for the oil & gas sector

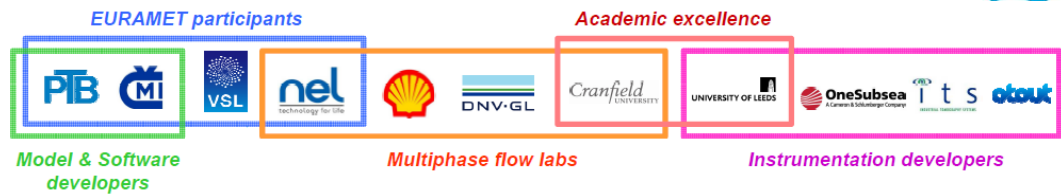
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Background:

- Lot of effort put into failed EMRP and EMPIR bids
- Big disappointments for NEL and TC Flow colleagues
- Low success rate for TC Flow
- Got useful feedback for improvements
- Needed to improve bid applications
- Lead to successful multiphase flow measurement proposal

- What was different about this proposal?
 - Innovative & challenging subject
 - More cutting-edge R&D compared to previous bids
 - No reference multiphase metrology network in Europe
 - Needed evidence for CMCs (previously rejected) and to establish reference network in Europe
 - Good stakeholder engagement
 - Unique JRP as intercomparison with non-EURAMET labs
 - No previous successful intercomparison
 - Quantifiable objectives
 - Involvement of universities, non-EURAMET labs, NMIs, end users.
 - Lead by a DI (NEL)

Delivery
Partners



- Challenges of project:
 - Only NEL has experience in subject within EURAMET
 - Relatively small organisation leading the project
 - Must consider resources and impact on other work
 - Obtaining funding to meet EMRP requirements
 - Harmonisation of uncertainty budgets & measurement protocol
 - Working with organisations who are not funded
 - Impacted by oil price
 - Biggest impact on the steering committee and stakeholders
- Big success – New ISO standard initiated
 - Harmonise measurement protocol between labs

Meeting at NEL 2015

