

26th World Gas Conference

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GAS QUALITY: A GROWING CONCERN FOR THE END-USER

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European gas quality variations

European Natural Gas market

- Increase in cross border trade
- End users deal with greater variations in gas quality
- Rapidly developing global market for LNG

Consequences

Serious implications for combustion installations include:

- Higher CO emissions
- Lower output (product quantity / quality)
- Contamination of the burner through soot formation / maintenance
- Installation shutdown

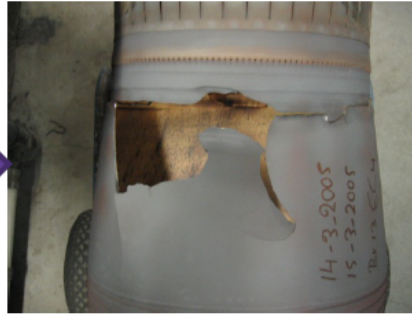
Case study – Eemshaven



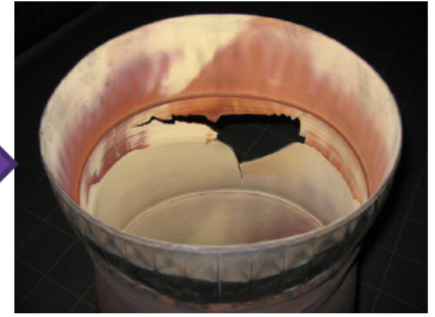
EC3 February 2005



EC4 February 2005



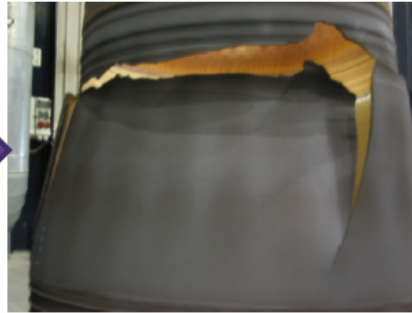
EC4 March 2005



EC6 March 2005



EC4 April 2005



EC4 May 2005



EC4 December 2005

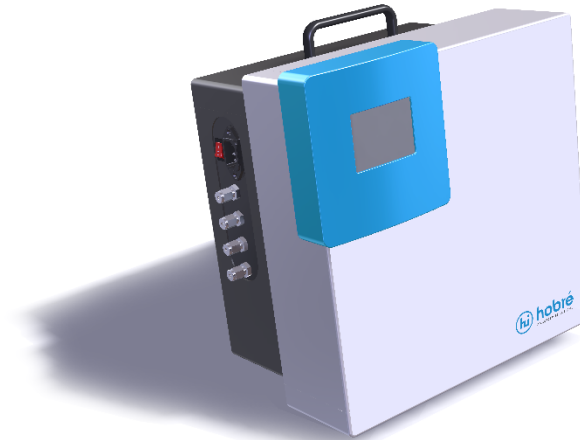
Hobré Wobbe Index solutions

WIM COMPAS™

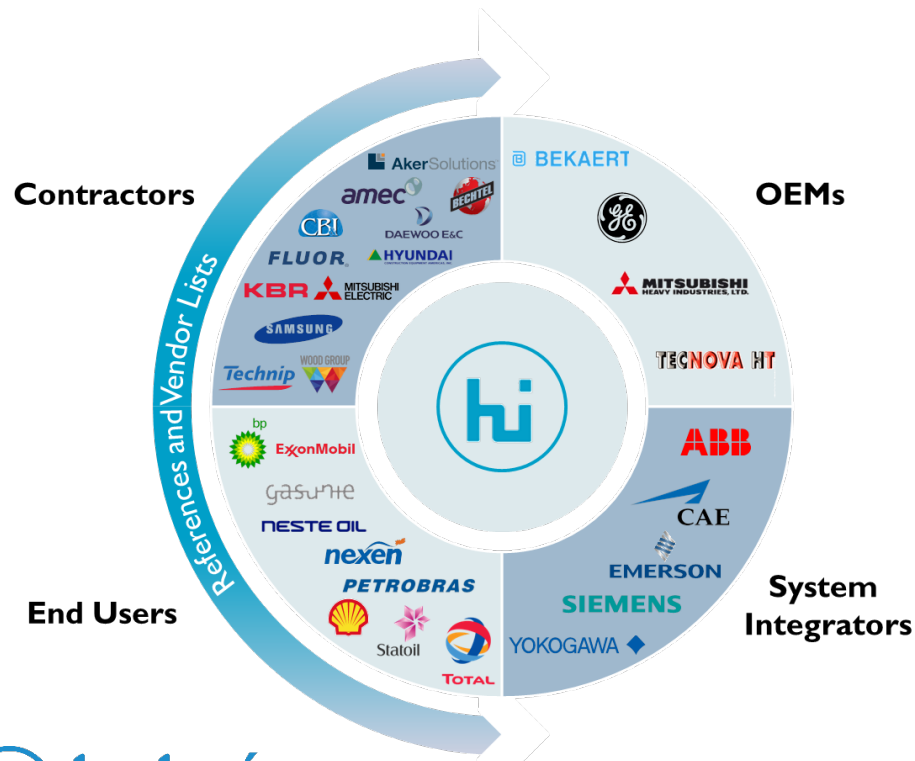
- Measuring Wobbe Index, heating value (BTU) and the Combustion Air Requirement Index (CARI)
- For natural gas blending, fired heaters, gas turbine control and flare gas
- Fast response, high accuracy, repeatability and availability
- Complete stabilization system available

HIGAS – Natural Gas Quality Meter

A compact gas quality meter designed for smaller sized burner installations available in a portable and continuous version.



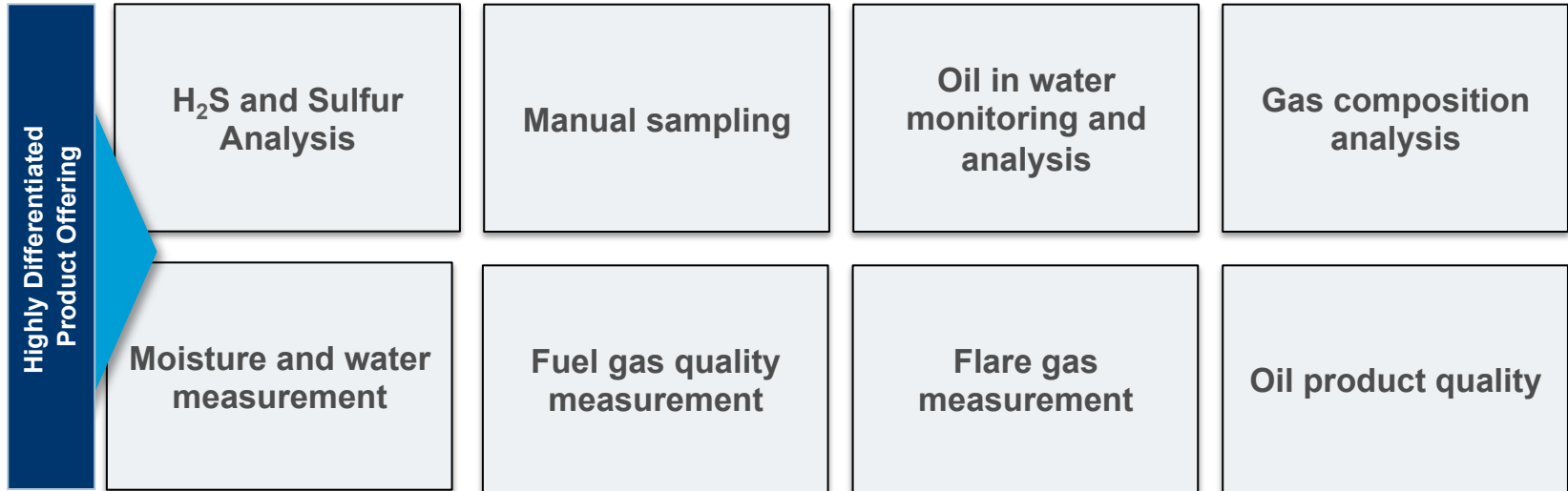
Clients and their experiences



Feedback – West-European refinery

“Last week there were strong calorific value fluctuations in the Natural Gas grid, causing a stage down. Thanks to Hibré technologies we were able to prevent stage downs at two further locations.”

Other Hobré applications



Other Hobre applications

For more information about this topic, feel free to contact us.



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