



Interoperability

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Interoperability: gas quality

- Analysis of EASEE GAS specifications have anticipated problems with quick gas quality variations for CCGTs.
- Gas turbine control can adjust small changes of gas parameters within the operating range of the design point of certain hardware (e.g. fuel nozzles, combustion air).
- **The extent and rate of variation of the Wobbe index and of the gas mixture composition (higher hydrocarbon) can bring about serious problems:**
 - Increase of emissions
 - Reduction of efficiency and combustion humming
 - Need for Outage and also unit trips and hardware failure
- More serious problems for plants close to LNG terminals.