

MHI
Value
Propositions
1096

HYDROGEN COMUSTION IN GAS TURBINES

- System to combust hydrogen fully or partially in gas turbines has been developed by MHI
- Unique capabilities include the ability to reduce NOx and the use of ammonia due the difficulties in long distance transport of hydrogen
- A leading position in Japan will enhance value propositions for other regions

MHI System to Combust Hydrogen in Gas Turbines will Meet NOx Limits

- Other gas turbine suppliers are working on partially or fully using hydrogen as a fuel but MHI is the leader
- Its extensive testing reveals that to meet Nox emission limits it will also be necessary to install SCR
- MHI is a leader in SCR technology and has proprietary catalyst systems.
- MHI is also the leader in utilizing ammonia as a less expensive way to move hydrogen long distances using ammonia
- The ammonia can be combusted directly or converted to hydrogen at the point of use