

**Deriving Business Value from Measurement Engineering in High Integrity Power Systems**

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Abstract: The design, manufacture and operation of high value products such as gas-turbine aircraft engines require extensive use of measurement in many diverse forms. The challenges of delivering this capability through developing the discipline of Measurement Engineering are discussed in the context of Rolls-Royce experience. Suggestions are offered to unify the development of a skill base, procedural framework, and methodology to deliver rigour and innovation in this key underpinning field.