

Technology Qualification Certificate

This certificate is awarded to:

Swedish Stirling AB

Gruvgatan 35B, SE-421 30 VÄSTRA FRÖLUNDA, Sweden

Technology Certified:

Environmental benefits of PWR BLOK 400-F

This certificate is awarded in recognition that the Technology Qualification activities associated with determination of environmental benefits of utilization of Swedish Stirling's Stirling engine technology, PWR BLOK 400-F, in a specific ferrochrome facility in South Africa has been completed in accordance with the Lloyd's Register Technology Qualification process; and that the acceptance criteria required to certify this technology has been fulfilled.

Lloyd's Register provided an independent technology qualification assessment exercise for the above mentioned technology and are satisfied that upon reviewing relevant documentation and conclusions, the technology goals as defined in Technology Qualification PWR BLOK, Technology Appraisal (2019), have been fully achieved. Lloyd's Register are also satisfied that, after evaluating the maturity and risks associated with this technology, the technology is capable of meeting its ambitions regarding environmental benefits.

This certificate is limited to the goals as outlined in Technology Qualification PWR BLOK, Technology Appraisal (2019). Lloyd's Register have granted this certificate on the assumption that they will be notified of any further modifications to the original concept, design or technology goals as described in the aforementioned report.

Certificate No.	TQ19/AHDT/PRJ1109995373/TQ
Issue Date	16 May 2019
Expiry Date	16 May 2023

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