

Is Micro-CHP Ready to Kick-Off?

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Hundreds of micro-CHP units have been trialled in homes but little is known regarding their achievements and challenges. Delta's *Micro-CHP Performance – Experience from Installations and Demonstrations* gathers and analyses the most recent data from these field trials, examining how micro-CHP units have been performing, and exploring practical installation issues.

Several hundreds of Stirling units are being tested in Germany, the Netherlands and United Kingdom with the objective of developing a robust product for market, and in some cases validating that the product is ready for market. A smaller number of fuel cells are being trialled in Europe, mainly in Germany, with developers Hexis and Baxi Innotech leading in the number of units being trialled.

The report draws out the key findings from recent field trials from eight micro-CHP developers in Europe and Japan, including:

- Average electrical efficiencies for Stirling engines and fuel cells.
- Average running hours per year for Stirling engines and fuel cells
- Electricity export share of electricity generated for Stirling engines

In addition, when analysing installation and operation experience during field trials three challenges stood out helping those involved in field trials better define micro-CHP's market opportunity.

Delta's micro-CHP Service Report on *Micro-CHP Performance – Experience from Installations and Demonstrations* is available for subscribers.

Please contact David Morgado (david.morgado@delta-ee.com) for a copy of the executive summary.

For more on the Delta's micro-CHP service, visit,
www.delta-ee.com/studies_and_services_micro_chp.asp