

D2 – Fuel Cell mCHP-Appliance Vitovalor 300-P: Cooperation Viessmann – Panasonic

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Since 2011, Viessmann and Panasonic have been working closely together on developing a fuel cell (Proton Exchange Membrane, PEM) micro combined heat and power (mCHP) system aimed for domestic application on the European market.

Both companies agree upon the importance of highly-efficient mCHP within an increasingly decentralized energy supply structure. Combined with intelligent electricity distribution (smart grid), mCHP systems can contribute towards relieving the power grids. A well balanced system produces up to half less carbon dioxide emissions than would be produced in separated generation of heat and electricity.

The PEM fuel cell mCHP system developed jointly by Viessmann and Panasonic is suitable primarily for new construction, due to its low electrical and thermal outputs. The system is supplemented by a gas-condensing boiler, depending on heat demand. Market launch in high calorific gas regions is scheduled for 2014, in the rest of the world for 2016. Viessmann is the first heating technology manufacturer to offer a mass series produced product for this important market segment.

Viessmann Group

The Viessmann Group is one of the leading international manufacturers of heating systems. Founded in 1917, the family business maintains a staff of approximately 9,600 employees and generates 1.86 billion Euro in annual group turnover. With 24 production divisions in 11 countries, subsidiaries and representations in 74 countries and 120 sales offices around the world, Viessmann is an internationally orientated company. 55 Percent of sales are derived from export activities. More information on: www.viessmann.com

Panasonic

Panasonic Corporation is a worldwide leader in the development and manufacture of electronic products in three business fields, consumer, components & devices, and solutions. Based in Osaka, Japan, the company recorded consolidated net sales of 7.85 trillion yen for the year ended March 31, 2012. Panasonic's stock is listed on the Tokyo, Osaka, Nagoya and New York (NYSE:PC) Stock Exchanges. The company has the vision of becoming the No. 1 Green Innovation Company in the Electronics Industry by the 100th year of its founding in 2018. For more information on Panasonic, its brand and commitment to sustainability, visit the company's website at <http://panasonic.net/>