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Notice on new research results regarding Syngas production

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Available at: https://works.bepress.com/joao_gomes/69/
Production of Fuels from electricity- A Technology Breakthrough

GSYF, Equipamentos para Energia, a Portuguese SME start-up, announces that it has succeeded in the production of Synthetic Gas (SynGas) through an innovative electrochemical technology, GreenSynFuel, based on electricity and carbon. Tests performed by ISEL and LNEG using experimental electrollysers supplied by GSYF validated this electrochemical process to produce SynGas; the composition of the Gas is suitable to the production of Natural gas and Methanol.

The technology is being developed by GSYF in partnership with other Portuguese companies and Research Institutions (ACR Energia, FEUP, ISEL, ISQ and LNEG) and is being financed by national funds to innovation, through QREN/COMPETE. After this well succeeded phase the consortium is now focused on the production of Natural Gas and Methanol, and also on the scale-up of the technology to an industrial pilot of 1 kW to field tests (dead line for these tasks is next June). Commercialization of the technology is planned for 2016.

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