EUROPEAN COMMISSION

SEVENTH FRAMEWORK PROGRAMME
FUEL CELLS AND HYDROGEN JOINT UNDERTAKING (FCH JU)
THEME SP1-JTI-FCH.2013.3.5
Field demonstration of large scale stationary power and CHP fuel cell system

GA No. 621256

DEMCOPEM 2MW

Demonstration of a combined heat and power 2MWe PEM fuel cell generator and integration into an existing chlorine production plant

Deliverable No.	DEMCOPEM-2MW D6.2	
Deliverable Title	Delivery of MEAs for inclusion in NFCT stacks	
Dissemination level	Confidential	
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Publishable summary

Johnson Matthey Fuel Cells have delivered 27,000 membrane-electrode assemblies (MEAs) to Nedstack Fuel Cell Technologies (NFCT). NFCT have built them into 360 fuel cell stacks and in turn delivered them to the DEMCOPEM-2MW system integrator, MTSA Technopower. JMFC's delivery of these MEAs builds on the achievements of deliverable D6.1. An MEA for long term stationary power application suitable for volume manufacture was developed and its approval by NFCT marked the attainment of D6.1. It was tested at JMFC for beginning of life performance and stability.

Following the acceptance of first-article MEAs to the design developed in D6.1, task 6.2 involved a full manufacturing campaign to produce the new design in volume. After initial quality problems, both the MEA quality and fabrication rate increased considerably. MEA deliveries were completed in the first week in January 2016.

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