

## VOLUMETRIQ

### VOLUME MANUFACTURING OF PEMFC STACKS FOR TRANSPORTATION AND IN-LINE QUALITY ASSURANCE

**Grant agreement no.: 671465**

**Start date:** 01.09.2015 – **Duration:** 36 months

**Project Coordinator:** Ashley Kells – Intelligent Energy

## DELIVERABLE REPORT

<b>D1.2 – PROJECT SHARED WORKSPACE IMPLEMENTED AND OPERATIONAL</b>		
Due Date	30 November 2015	
Author (s)	N. Cros - PXO	
Workpackage	WP7	
Workpackage leader	N. Cros - PXO	
Lead Beneficiary	N. Cros - PXO	
Date released by WP leader	30 November 2015	
Date released by Coordinator	30 November 2015	
<b>DISSEMINATION LEVEL</b>		
<b>PU</b>	<i>Public</i>	<b>X</b>
<b>PP</b>	<i>Restricted to other programme participants (including the Commission Services)</i>	
<b>RE</b>	<i>Restricted to a group specified by the consortium (including the Commission Services)</i>	
<b>CO</b>	<i>Confidential, only for members of the consortium (including the Commission Services)</i>	
<b>NATURE OF THE DELIVERABLE</b>		
<b>R</b>	<i>Report</i>	
<b>P</b>	<i>Prototype</i>	
<b>D</b>	<i>Demonstrator</i>	
<b>O</b>	<i>Other</i>	<b>X</b>

<b>SUMMARY</b>	
<b>Keywords</b>	<i>Project Website</i>
<b>Abstract</b>	<p>The VOLUMETRIQ project website is designed to fulfil project communication and dissemination needs in the direction of the whole scientific community and the public through relevant information including:</p> <ul style="list-style-type: none"> <li>▶ project overall objectives, partners &amp; structure information</li> <li>▶ project activities: news, meetings, publications ...</li> <li>▶ project resources: links, related events ...</li> <li>▶ project contact information</li> </ul> <p>All the partners will collectively participate in the dissemination objective of the website by providing up-to-date information</p>

<b>REVISIONS</b>			
<b>Version</b>	<b>Date</b>	<b>Changed by</b>	<b>Comments</b>
<b>0.1</b>	30 November 2015	N. Cros - PXO	

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## ***D7.1: PROJECT WEBSITE***

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## 1. INTRODUCTION

This deliverable concerns the implementation of the Project Website for VOLUMETRIQ project. This website is available at the following address: <http://www.volumetriq.eu>

## 2. Scope

The public website will promote the VOLUMETRIQ project through relevant information including project objectives, partner backgrounds, public project deliverables, news... in direction to the broader scientific community and beyond.

## 3. DISCUSSION

### 3.1 HOSTING

The project website is online and fully operational since November 30th, 2015. This website is hosted on a dedicated server. The server, property of PXO, is an Optiplex GX620 Dell machine (2.8 GHz, 800 MHz bus) with two SATA hard-drives of 80 GB (the second one being dedicated to daily backup) and 2 GB 533 MHz DDR memory.

### 3.2 MAIN FEATURES

#### a. GENERAL INFORMATION ON VOLUMETRIQ PROJECT

##### ▶ Permanent information:

- *Home*: General information on the project
- *About Us*: Project, partners & work packages presentation and description
- *Contact*: coordinator information, project address book and online form for information request

##### ▶ Living information:

- *Activities*: news, meetings, publications
- *Resources*: recent updates, related events
- *Links*

#### b. LOGIN BUTTON TO ACCESS THE PROJECT SHARED WORKSPACE (PSW)

Using this button, partners are redirected to the PSW login page and asked for their login and password to enter the PSW

The figure next page, provides a screenshot of the VOLUMETRIQ website.



[Home](#) [About Us](#) [Activities](#) [Resources](#) [Contact](#) [Login](#)



## Volume Manufacturing of PEMFC Stacks for Transportation and In-Line Quality Assurance

Delivering manufacturing maturity to fuel cell stack and components

Establishing an integrated European supply chain for key fuel cell components

Embedding quality in automotive stack production

### Overall Project description

The principle project objective is to develop an **EU-centric supply base for key automotive PEM fuel cell components** that achieves high power density, volume production capability. To achieve this, embedded quality control of components is a key focus.

The platform to prove the component advances is Intelligent Energy's proprietary 90kW EC fuel cell automotive technology. As well as reaching a consistent stack power of 90kW the project outputs must demonstrate cost reduction, advance manufacturing technology with optimised component detail designs.

The project will enable the establishment of a **mature Automotive PEM fuel cell** manufacturing capability in **Europe** with a target of getting hydrogen fuel cell vehicles to the mass market by **2020**.

*This project has received funding from the Fuel Cells and Hydrogen 2 Joint Undertaking under grant agreement No 671465. This Joint Undertaking receives support from the European Union's Horizon 2020 research and innovation programme.*

### Objectives

The principal aim of **VOLUMETRIQ**, an industry led and commercialisation focused project, is to develop an EU-centric supply base for automotive PEM fuel cell stacks and their key components with volume manufacturing capability and embedded quality control at its heart.

The stack and components will be based on Intelligent Energy (IE) automotive PEM fuel cell technology of which prototype systems have been previously demonstrated in OEM vehicles. The project will build on this foundation and deliver an enhanced fuel cell stack and component design with matured manufacturing via an EU supply base that is consistent with the JU 2020 system targets for performance and cost.

### Lastest News

- 13/10/2015 - **VOLUMETRIQ press Release**

Intelligent Energy released a press article on "Working group led by Intelligent Energy to develop its proprietary 90kW EC fuel cell stack for mass manufacture".

Direct access to the press release: [Press release](#)

- 22/09/2015 - **VOLUMETRIQ Kick-off Meeting**

The project Kick-off meeting was held on 22 September 2015 was held in Loughborough, UK at Intelligent Energy facilities.

[→ Read more ...](#)

### Funded by ...

**Fuel Cells and Hydrogen Joint Undertaking**



**European Commission**



### Popular Articles

- [Objectives](#)
- [Consortium](#)
- [Structure](#)

### Contact - VOLUMETRIQ Coordinator

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## 4. Conclusions and future work

The VOLUMETRIQ website was designed to fulfill project communication and dissemination needs in the direction of the whole scientific community and the public.

All the partners will collectively participate in the dissemination objective of the website by providing up-to-date information, project highlights, job opportunities, related events announcements, list of VOLUMETRIQ related publications...