Biogas2PEM-FC

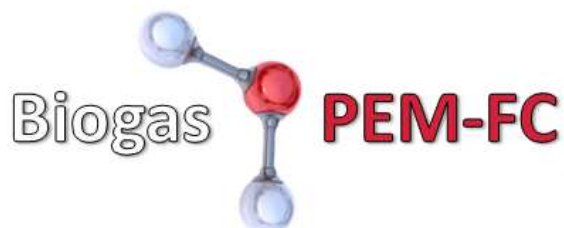**Biogas Reforming and Valorisation through PEM Fuel Cells**

FP7-SME-2012, Grant Agreement No. 314940

Deliverable

D 6.1 Website

Deliverable details

Deliverable version: v1.0

Date of delivery: 30/01/2013

Total pages: 5

Persons-month required: 1,53

Classification: Public

Lead beneficiary: FAECA

Project details

Start date: November 1st, 2012

Project Coordinator: Powercell

Partners: Powercell, Helbio, LEITAT, IDENER, FAECA, KTH, Ingenostrum, Marches Biogas

Duration: 24 months

Abstract

A website (www.biogas2pemfc.eu) has been created in order to contribute to the exploitation and dissemination of project results and to be used as a tool devoted to make easier the cooperation between project partners as for carrying out the work corresponding to the Biogas2PEM-FC project.

This deliverable summarizes the different issues covered by the website and describes in detail the content of each part. Specifically, a public area, a registration area and a private are have been defined. In addition, structure and update process will be described.

The public area contains general information on the project, useful links to the EC services, specialised portals, etc., a download area for downloading project brochures, videos, demos, and other useful material such as public deliverables, news for communication of events, workshops, conferences related to the project, and contacts to allow the website visitors to have a direct link to the Consortium. The registration area will allow every public user to upload personal data in order to participate in the project's mailing list. Finally, the private area will be exclusively used by the Consortium for exchanging and sharing electronic data.

Table of contents

1. Design, structure and implementation

The Biogas2PEM-FC project website (www.biogas2pemfc.eu) has been implemented by FAECA as part of the dissemination tasks envisaged in WP6. In order to reflect the project concept and also to increase the benefit of the participating SMEs (since this is a "Research for the benefit of SMEs project") several photos from each of them has been placed in the main area as a way to increase its marketing possibilities. Moreover, the project logo has been included as well as basic information in order to provide a clean and functional website design.

Regarding website structure, a public area, a registration area and a private area have been defined. Specifically, the public area contains general information on the project, useful links to the EC services, specialised portals, etc., a download area for downloading project brochures, videos, demos, and other useful material such as public deliverables, news for communication of events, workshops, conferences related to the project, and contacts to allow the website visitors to have a direct link to the Consortium. The registration area will allow every public user to upload personal data in order to participate in the project's mailing list. Finally, the private area will be exclusively used by the Consortium for exchanging and sharing electronic data.

As for its implementation, the website has been developed in two modules, the public one and the private area. The public webpage has been coded in HTML and has some functions as the "Mail list registration" which has been coded in PHP. As for the private area, a custom implementation of Alfresco Community Edition has been deployed.

2. Public area: content

The website has been structured in the following sections in order to provide information to their users not only about the project, but also about the consortium, project results and dissemination activities.

2.1. Home

This main page frames the aim of Biogas2PEM-FC project and also describes in detail main project objectives. It also informs the reader that the project is funded by the European Commission's 7th framework programme and contains the generic European flag and FP7 logos. Since "Research for the benefit of the SMEs" programme is part of the Capacities area of the FP7, the corresponding Capacities logo has also being inserted. As for all the EU and FP7 related logos, links to their respective websites have been inserted.

This main page includes also direct links to different possibilities that will be further detailed in section "2.8. Direct Links".

2.2. About the project

This section gathers information about project main research activities to be conducted. In addition, information about progress beyond state of the art is included as well as a figure summarizing main project ideas and how knowledge will be transferred among partners.

2.3. Work packages

WPs corresponding to Biogas2PEM-FC project are briefly described in this section. As for an easier comprehension of the relationship between WPs, the Pert diagram has also been inserted in order to clarify project technical work.

2.4. News & Events

News related to the project (like meetings execution, important milestones achieved as for proper project execution and all information related to the project topic) will be published here. Moreover, Press Releases as well as articles that have been published about the project will be also gathered under this section. Finally, project events such as meetings, workshop or conferences will be scheduled and described here in order to contribute to proper project ongoing.

2.5. Media

As for this section, all the information related to dissemination activities will be showed allowing the website users to download all the aforementioned information. Specifically, this section is divided in the following subsections:

- Publications: all scientific publications related to the project beginning with the most recent publication will be listed. A link to the complete paper will be provided when possible (based on copyright permissions).

- Links: links to the most important websites related to the project will be listed here.

- Project Brochures: an initial project brochure will be produced and placed under this section as for its downloading. Once project will go ahead, more project brochures reflecting the project progress will be included.

- Videos: Videos related to the project will be included in this sub-section. Furthermore, and according to what has been detailed in EC-GA.Annex I, WP6 description, a videoclip will be produced once the project is over in order to summarize all the research carried out and the corresponding produced results

- Public deliverables: Biogas2PEM-FC public deliverables will be published here and be available for downloading.

2.6. Installations

Since this project envisages DEMO actions, all the information related to project pilot plant deployment will be published under this section. Specifically, info about demonstration actions progress including photos will be added during project ongoing.

2.7. Partners

This section lists all Biogas2PEM-FC partners. A brief description of each partner as well as its logo are included. Moreover and in order to make easier to the user to contact or know more about any consortium partner, a link to their institutional websites has been included.

2.8. Direct links

As for a quick access to the following named section, direct links has been included under the "Home" section previously described. Specifically, the above named accesses are:

- News: recent news are published here so the user can easily be update about project issues.
- Partners: this access leads to the private area where all the information between partners will be exchanged.
- Contact: an e-mail address is herein provided as for contacting the Biogas2PEM-FC consortium.
- Mail list: by clicking here, the user would be able to subscribe to the mailing list of Biogas2PEM-FC project website.

3. Private area: content

Website private area will allow its entrance only for consortiums members. This area will be used as for sharing and exchanging electronic data, including the following info:

- Project Grant Agreement
- Deliverables
- Meetings
- Project info
- Others

In addition, this private area will gather all the info required as for ensuring a proper cooperation between partners during project execution.

4. Technical implementation

4.1 Domain

As for the Biogas2PEM-FC project public address, the domain name "biogas2pemfc.eu" has been registered. This transaction has been done via OVH (www.ovh.es) name registration procedure. The registration was performed 2012-10-02 and the domain is valid until 2013-10-02. The domain reservation will be renewed on a yearly basis.

4.2 Servers

The two modules of the website have been deployed into different servers. The public module is running on a HTML hosting service provided by OVH. As for the private area, the Alfresco implementation has been deployed on a private server also provided by OVH, some of the characteristics of such a server can be found below:

Hardware:

- Server Model: 2013 SP 32G
- Processor: Intel Xeon E3 1245v2 8 Mb Cache 3.4Ghz
- Memory: 32 GB DDR3
- Hard Disk: 2x2TB SATA3 SOFT RAID
- Network Connection: GigaEthernet

Server software:

- Operating System: Ubuntu Server 12.04.01 LTS
- Linux Kernel: 3.2.13
- Web Server: Apache 2.2.22
- Java Application Server: Tomcat 7.0.26 with JVM 1.7.0_09-b30
- PHP 5.3.10-1
- PostgreSQL 9.1.7
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4.3 Database

The Alfresco implementation has a dedicated Database located in the dedicate server.

4.4 Data Back-up

An automatic backup is performed at 00:00 CET on a daily basis by the dedicated server. In addition a weekly backup is performed by personal.

5. Content updates and maintenance

FAECA involved staff will be responsible for driving website updates on a regular basis, collaborating closely with the head of the WP6 devoted to dissemination activities. Specifically, news will be updated monthly and Press Releases, publications and deliverables will be posted in a timely manner as well. Additionally, the website backend (web server) is maintained by FAECA staff

Regarding partners info included in the website, each Biogas2PEM-FC member is responsible for and has the administrative rights to make modifications to the descriptions of its respective institution.

6. Website overview

The following figure is a screen capture of the developed website. Specifically, the capture has been taken from the "Home" tab. Moreover, different sections like news, the private area, the contact area and the mailing list have been highlighted.