



# DEMO 4GRID

## Demo4Grid Website WP7.2

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## DOCUMENT CHANGE CONTROL

| Version Number | Date       | Author(s)                 | Brief Description of changes |
|----------------|------------|---------------------------|------------------------------|
| 0.1            | 15/03/2018 | Nikolaus<br>Fleischhacker | Document creation            |
| 0.2            | 16/03/2018 | Nikolaus<br>Fleischhacker | Document adaption            |
| 0.3            | 17/03/2018 | Magdalena<br>Schreter     | Document adaption            |
| 0.3            | 18/03/2018 | Ernst<br>Fleischhacker    | Document adaption            |
| 1.0            | 19/03/2018 | Nikolaus<br>Fleischhacker | Document finalization        |

Table 1. Document Change Control

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## EXECUTIVE SUMMARY

The Demo4Grid homepage explains the main aim of the project and the dependencies between “Demonstration for Grid Services”, “Green Hydrogen” and “Greening of Industry” with different tools of digital information such as news via social media, posting tools and a YouTube channel for reports, FAQ’s and interviews in the partners section.

**The main aim** of the project Demo4Grid is the commercial setup and demonstration of a technical solution using the Pressurized Alkaline Electrolyser (PAE) technology for providing grid balancing services under real operational and market conditions and the production of Green Hydrogen for industrial energy services.

**Demo4Grid** Within the framework of the EU project Demonstration for Grid Services, Europe’s largest single-stack alkaline-pressure electrolysis plant will be set up and tested in Tyrol to regulate the regional electricity network, generate Green Hydrogen and supply foodstuffs with CO<sub>2</sub>-free energy.

**Green Hydrogen** The 21st century is dedicated to the energy revolution. The European Union wants a 27% reduction in CO<sub>2</sub> emissions by the year 2030. Imported energy, such as oil, coal and gas should be gradually replaced by solar energy, hydropower and wind power. However, this leads to a partial overloading of the power grids. Green hydrogen is the solution to this problem.

**Greening of Industry** The plant, which is to be supplied by IHT from Switzerland, is being implemented in Völs, near Innsbruck by MPreis, a regional food producer and trader. The Green Energy Center Europe in Innsbruck, is the catalyst for this project, financed by the EU and Switzerland, in which the targets will be hit in the green energy future. Over the next five years, the protagonists and European project partners will work responsibly and jointly to make regional resources available for the heat supply and mobility of tomorrow.

The main aim and these dependencies are furthermore summarized in the following video documents (core of the homepage):

- “Demo4Grid: Demonstration for Grid Services and the Greening of Industry with Green Hydrogen” – <https://www.demo4grid.eu/electrolyser-for-power-grid-services/>
- “Green Hydrogen for MPREIS, Tyrol and Europe” – <https://www.demo4grid.eu/gruner-wasserstoff-fur-mpreis/>

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- „Grüner Wasserstoff für MPREIS, Tirol und Europa“ – <https://www.demo4grid.eu/gruner-wasserstoff-fur-mpreis-tirol-und-europa/>

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## 1. WEBSITE STRUCTURE

The Demo4Grid website provides a clean homepage with few key facts to spark the visitor's interest. It is divided into the sections

1. Home,
2. News,
3. Reports,
4. Project Info,
5. FAQ and
6. Partners.

The website is accessible and has a responsive layout optimized for desktop, tablets and smartphones. It is accessible via <https://www.demo4grid.eu/>.

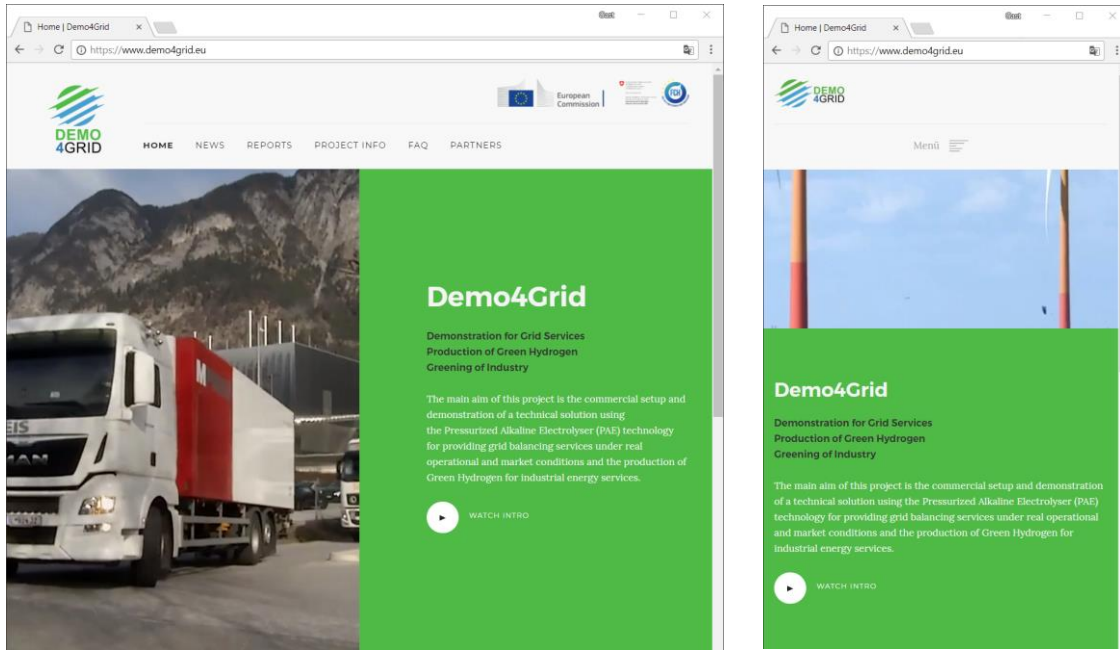
## 2. HOME

The logo and the navigation menu are located at the top. On the upper right are logos of EU and FCH JU and also SFOE linking to the according webpages.

At the top of the page is a header section with an excerpt of Demo4Grid's dissemination video "Demo4Grid: Demonstration for Grid Services and the Greening of Industry with Green Hydrogen" (<https://www.demo4grid.eu/electrolyser-for-power-grid-services/>) explaining the Demo4Grid project. On the right side is a short introduction of the project as well as a link to the full video.

Next comes a key facts box providing further introduction to the project. Below the key facts box, the project partner's logos are auto-sliding in a random order with links to their corporate websites.

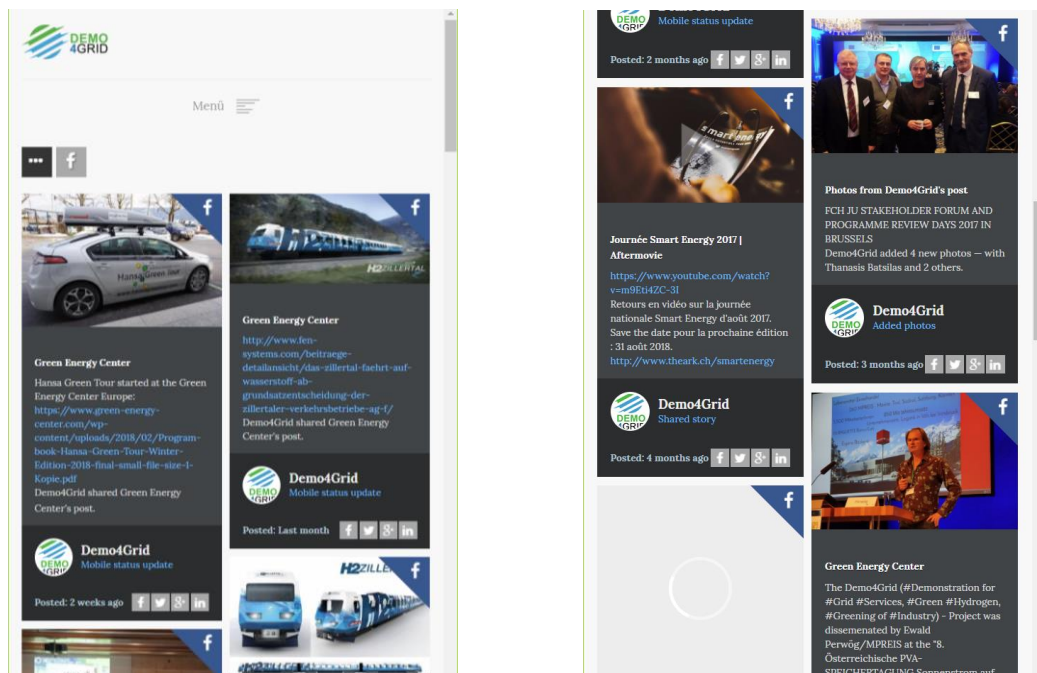
The footer area at the bottom includes the funding acknowledgment "This project is supported by the Fuel Cells & Hydrogen 2 Joint Undertaking (FCH2 JU) of the European Commission under grand agreement N° 736351 and the Swiss State Secretariat for Education, Research and Innovation (SERI) under contract number 17.00002.", the content maintainers and the footer menu and social links.



HOME layout optimized for desktop, tablets and smartphones

### 3. NEWS

The news section is a Facebook and Twitter feed grabber. It displays all relevant project related posts on the connected social media pages.



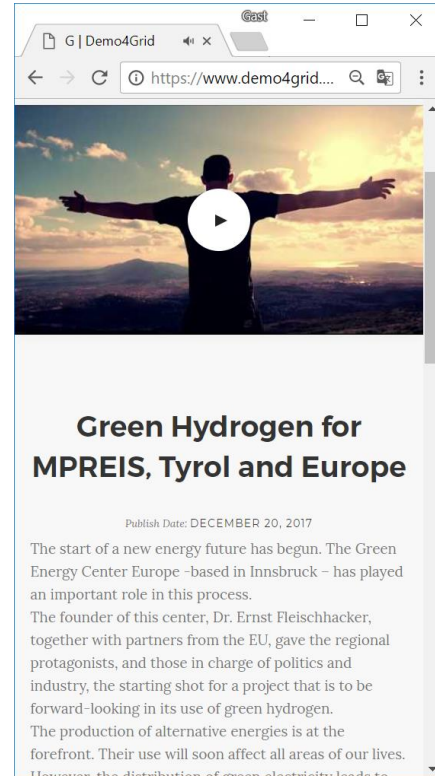
NEWS layout



## 4. REPORTS

<https://www.demo4grid.eu/reports/>

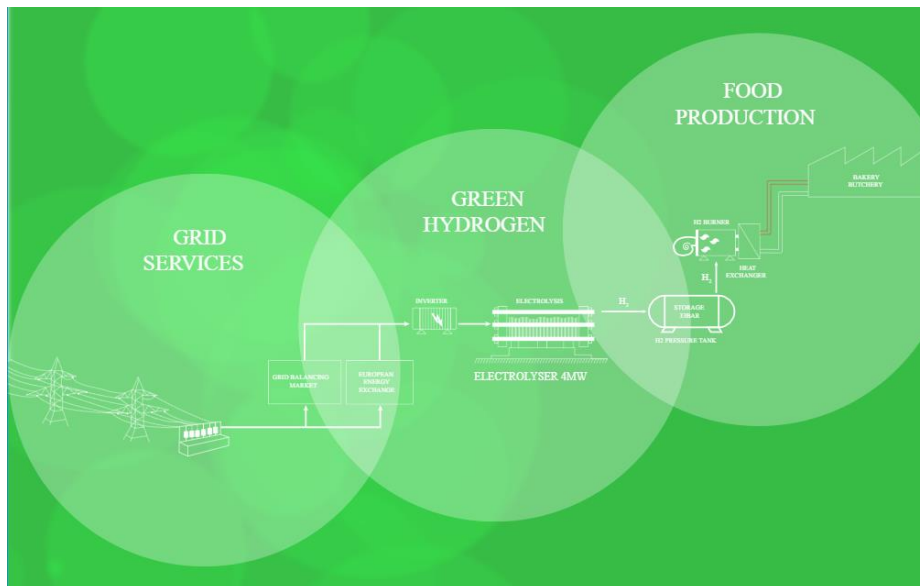
Within the reports section special contributions regarding the Demo4Grid project such as the main dissemination video “Green Hydrogen for MPREIS, Tyrol and Europe” (<https://www.demo4grid.eu/gruner-wasserstoff-fur-mpreis/>) explaining the project are published.



## 5. PROJECT INFO

<https://www.demo4grid.eu/project/>

The project info section explains the aim of the Demo4Grid project, its goals and historical development. It also contains the basic funding information. Furthermore, an interactive diagram explains the principles of the project.

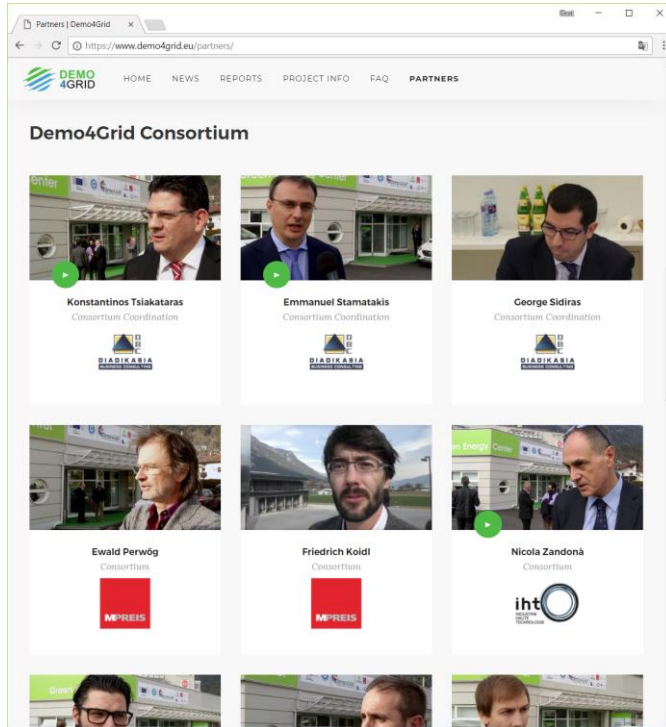


## 6. FAQ

This section is the repository of all questions that are frequently asked about the project.

## 7. PARTNERS

The partners section contains the FCHJU representatives and Demo4Grid consortium with interviews of the people involved. On the presence of an interview there's a play button shown in the bottom right corner of the image which links to the video.



PARTNERS layout

