



## Bluetooth Low-energy Integrated Module for SME's (BLIM4SME)

Call: FP7-SME-2013, Research for the Benefit of SMEs

Grant Agreement Number: 605264

Project start date: 01/11/2013

Duration: 24 months

Project coordinator:

RTD Talos, Cyprus

Partners:

RivieraWaves SAS (RW), France

Prisma Electronics ABEE (PRISMA), Greece

Nordic Components OY (NORDIC), Finland

Teknologian Tutkimuskeskus VTT (VTT), Finland

CSEM Centre Suisse D'electronique Et De Microtechnique Sa - Recherche Et Developpement (CSEM), Switzerland

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<b>Authors</b>	

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V1	29/01/2014	Many	Adding screenshots	TALOS

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## **Executive Summary**

The objective of Deliverable 6.1, Construction of a project website, is to report on the establishment of an efficient and effective dissemination and communication tool for the BLIM4SME consortium for the duration of the project. The website represents one of the main instruments for dissemination, which will ensure the successful spread of project results and non-confidential information to the widest possible audience (including the industrial and academic community). The aim of the website is, on the one hand, to inform the general public about the BLIM4SME project and, on the other hand, to constitute a tool to communicate and to exchange information on the project between partners.

This Deliverable will deal with three types of webpage navigation depending on the type of user i.e. Visitor (the general public), Member (the consortium members or representatives of the Research Executive Agency: these viewers can see both the public and the restricted area content) or Coordinator (who can upload content to both public and restricted area sections); the potentials for navigation, document uploading and website alterations differ for each type of user.

## **1 INTRODUCTION**

The BLIM4SME project addresses the development of ultra-low-power and tiny Bluetooth Low Energy (BLE or Bluetooth Smart) modules focusing on healthcare and lifestyle applications. Concretely, the project will develop RF IP blocks which will be embedded into a single “antenna-and-radio” miniaturized module leveraging an innovative “integrated passive devices” (IPD) technology platform. The outcome will be a BLE module yielding a factor of at least 5 times better “power-size” figure of merit compared to today’s leading industrial solutions and targeting specifically the rapidly increasing landscape of EU SME’s and industries that require beyond state-of-the-art, highly integrated and ultra-low-power BLE radios for their next generation bio-medical, healthcare, sports and fitness products.

## 2 FUNCTIONALITIES OF THE WEBSITE PORTAL

The BLIM4SME website is optimised for the most popular web browsers and has different operating modes according to user privileges, namely visitors, members and coordinator.

### 2.1 Common website functionalities

#### 2.1.1 Domain name

The consortium members have recognized that the project website is an important resource in disseminating information about the project, facilitating collaboration amongst partners and bringing together a diverse community of interest around the project's activities. In order to ensure that all users who want to access the BLIM4SME project website can easily find the location as well as to ensure increased searching success rate, the consortium decided to register the following address: [www.blim4sme.eu](http://www.blim4sme.eu)

#### 2.1.2 Home page

The opening page of the site will look as the screen shot in Figure 1. This page will appear when a user types the internet address (URL) of the project in a browser programme.

It contains a horizontal menu, a short and non-confidential description of the project as well as a link to the "News & Events" section.



Figure 1: Home page

### 2.1.3 Navigation

The content associated to this project is divided into several parts according to the type of information available and can be accessed using the horizontal menu at the top of each page. The navigation toolbar contains a sequence of items that represent all available information on the project's website.

The horizontal menu consists of the **Home page**, an **Overview** of the project, brief descriptions of all **Partners** involved, a link to the project's **Public documents**, a **News & Events** section, a page for **Contacts**, a **Member Area** and a **Sitemap** of the website. Specifically:

- **Home page:** This is the home of the webpage, which includes a brief description of the project's concept.
- **Overview:** An overview of the project including its objectives.
- **Partners:** Presentation of each partner involved in the BLIM4SME project, with details on their activity and areas of expertise.
- **Public documents:** All non-confidential public documents, publications and all dissemination material used to promote and advertise the project available to the wider audience.
- **News & Events:** All the news articles regarding this project in reverse time order, so the latest appears first.
- **Contact details:** Details of key personnel involved in the project.
- **Sitemap:** A vertical expanded list where all the website's articles can be seen.
- **Member Area:** A restricted area for access and storage of technical information by consortium partners.

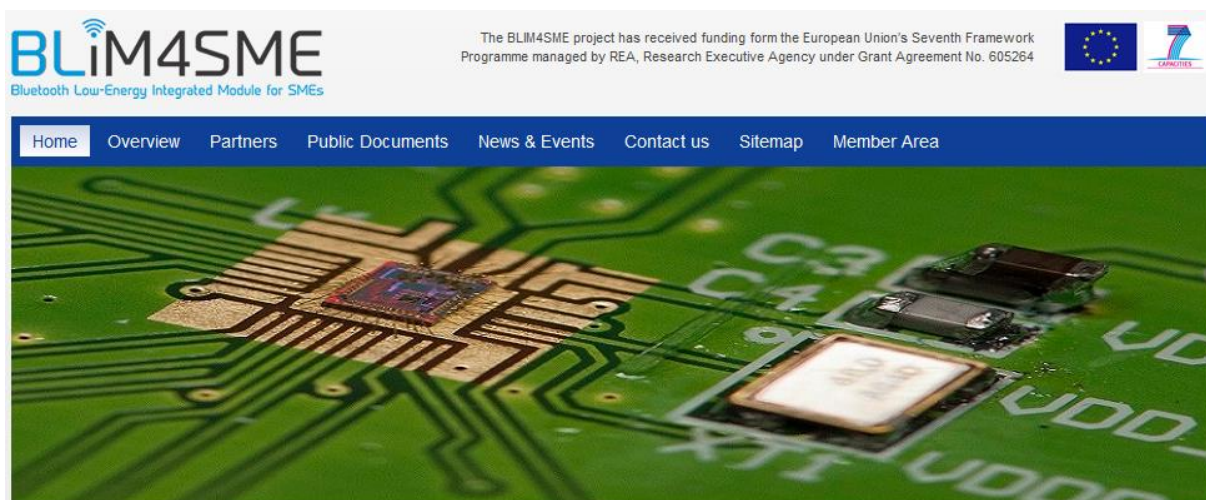


Figure 2: Navigation bar

In addition and according to the relevant rules of the European Commission on dissemination activities, the EC financial contribution is recognized throughout the whole website by indicating the following sentence: The BLIM4SME project has received funding from the European Union's Seventh



Framework Programme managed by REA, Research Executive Agency under Grant Agreement No. 605264. Furthermore, both the EC and FP7-Capacities logo are present at the top of all pages.

## 2.2 Web site functionalities for visitors

### 2.2.1 Home page

This part is the same as described in section 2.1.2.

In the below sections, the items of the horizontal menu are described in detail.

### 2.2.2 Project overview

The Overview section presents briefly the BLIM4SME project and gives a summary of the project in terms of its objectives and expected project results.

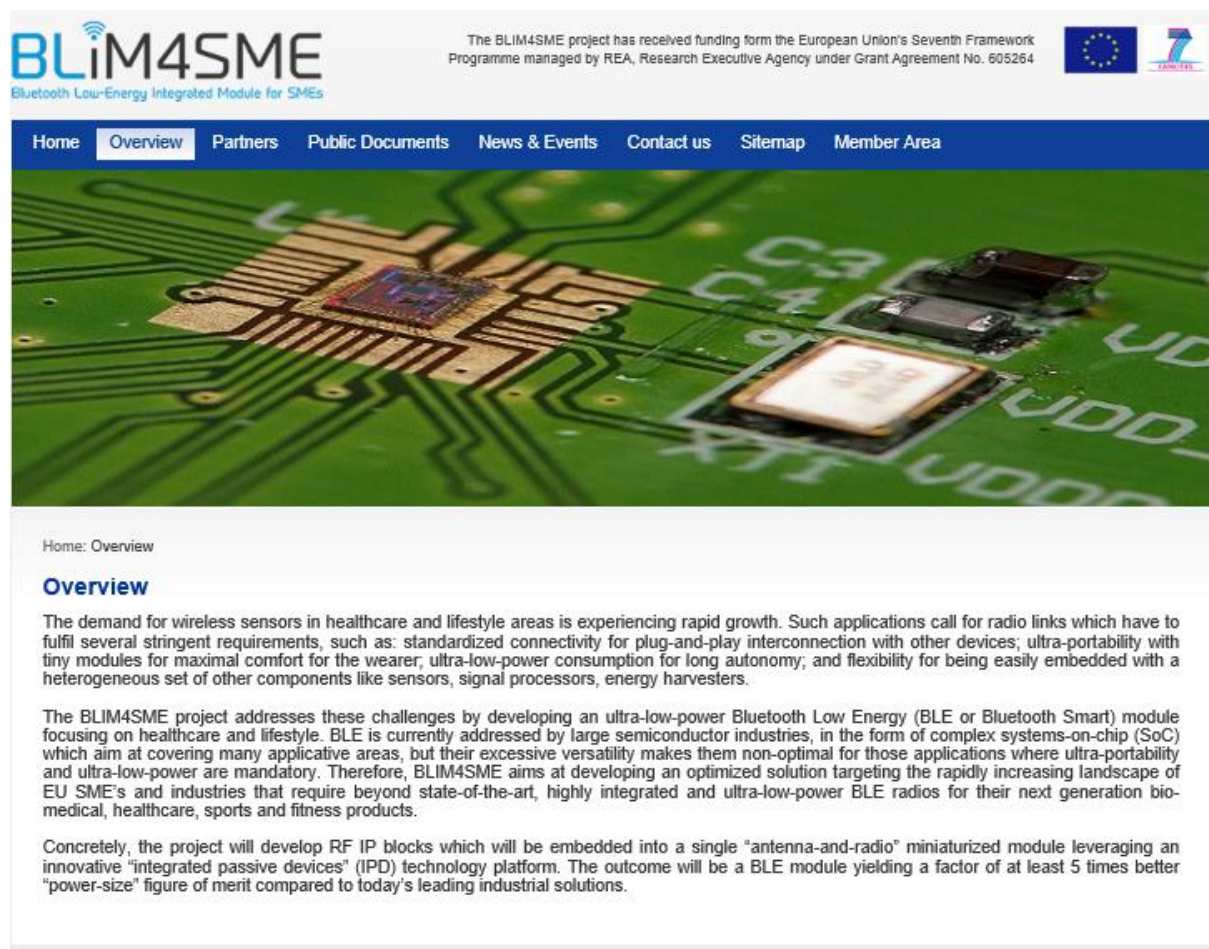


Figure 3: Project overview



## 2.2.3 Partners

The list of partners is extended with a brief description of the partners' activities and area of expertise. There is a description of the main services and the partner's logo.



The screenshot shows the BLIM4SME project website. The header includes the project logo, a funding statement from the European Union's Seventh Framework Programme, and navigation links: Home, Overview, Partners, Public Documents, News & Events, Contact us, Sitemap, and Member Area. The main content area is titled 'Partners' and describes the consortium's composition. It lists several partners and their expertise, followed by detailed descriptions for RTD Talos and RivieraWaves (RW), each accompanied by their logo and a 'read more' link.

**BLIM4SME**  
Bluetooth Low-Energy Integrated Module for SMEs

The BLIM4SME project has received funding from the European Union's Seventh Framework Programme managed by REA, Research Executive Agency under Grant Agreement No. 605264

Home Overview **Partners** Public Documents News & Events Contact us Sitemap Member Area

### Partners

The consortium comprises key research partners and seasoned SMEs with broad expertise in the domain for bringing this project to life successfully:

- RTD TALOS Ltd, Cyprus - coordinator of the project
- RivieraWaves SAS, France, SME participant - expert in BLE protocol
- Prisma Electronics ABEE, Greece, SME participant - expert in modules
- Nordic Components OY, Finland, SME participant - expert in IPD modules
- VTT Technical Research Centre of Finland, Finland, Research performer - expert in IPD technology
- CSEM SA (Swiss Center for Electronics and Microtechnology), Switzerland, Research performer - expert in low power integrated radios, technical leader of the project

#### RTD Talos

RTD TALOS is a private initiative that was established in 2000 and its mission is to offer high quality services with commitment and consistency, in order to enhance and reinforce the competitiveness of small- and medium-sized enterprises, through the promotion of innovation, technology transfer, utilisation of research outcomes, development of links with research institutions, exploitation of opportunities for financing and assistance for utilisation of development programs. TALOS has years of demonstrated experience in project management being involved since its foundation in more than 30 European research projects and having taken the responsibility for managing ...

[read more](#)

#### RW

RivieraWaves (RW) is a private company established in January 2010 and is recognized today as a leading provider of Bluetooth® and Wi-Fi™ intellectual Property (IP) for integration into ASIC or FPGA. RivieraWaves also offers complementary Design Services for IP customization and IC design. Currently, the IP portfolio is composed of hardware, software, analogue and RF building blocks. The company employs 30 people with a wide range of expertise including digital hardware design, embedded and application software, analogue and RF design, signal processing algorithms, SoC design. Over 20 licenses have been sold worldwide and successfully integrated by several top-ten semiconductors ...

[read more](#)

Figure 4: Project partners

### RW

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RivieraWaves has a strong experience in low power design and in particular for sensor-based applications, such as in M2M or medical domains. RivieraWaves, for instance, has developed a Wi-Fi low power chip for a customer, which is now in mass production, for wireless sensor type of application such as for instance M2M and home automation. RivieraWaves also received Best Paper Award at SAME Conference in 2011.

Website: [www.rivierawaves.com](http://www.rivierawaves.com)

## 2.2.4 Public documents

In the Public Documents section, the users may find all information related to the project which is at the display of the public at large and provide more detailed information on the status of research. In particular the following will be accessible here:

- public deliverables
- dissemination material: all the material created specifically for the promotion and advertisement of the project
- publications: the title and references to all BLIM4SME publications.

Any document presented here does not enclose confidential information and is downloadable by all kinds of users.

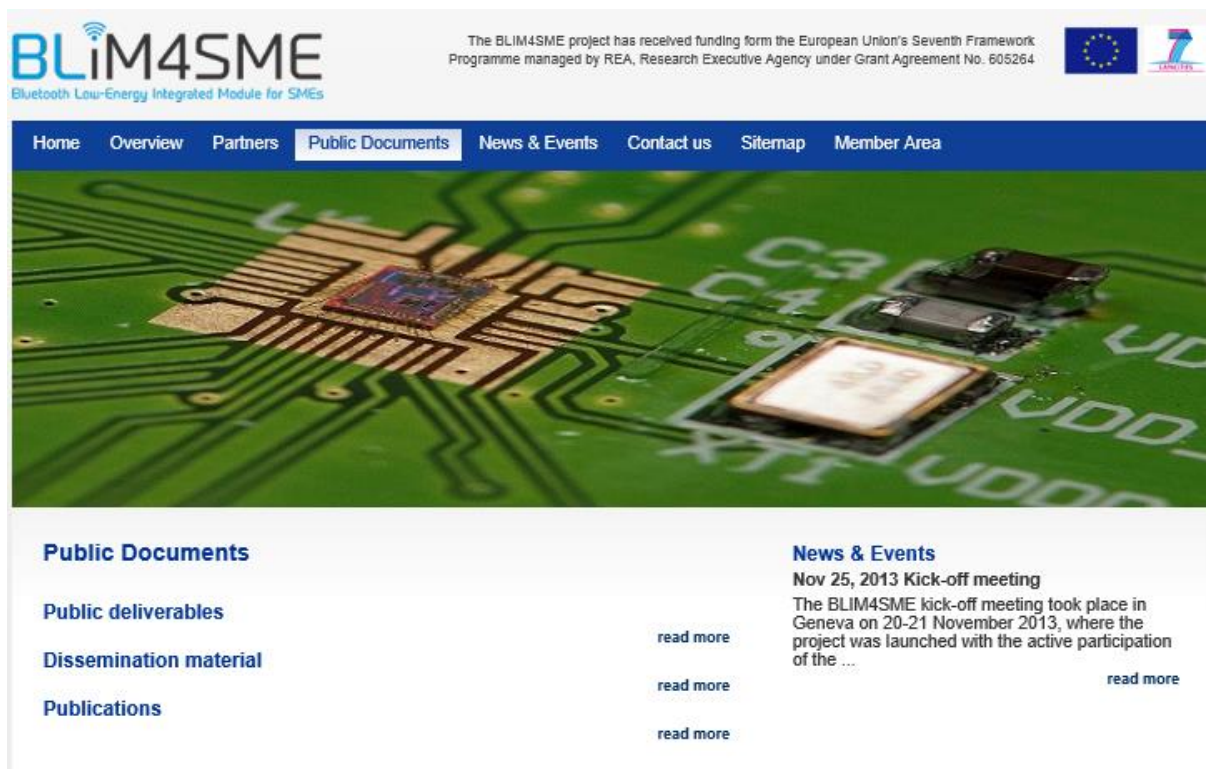


Figure 5: Public documents

## 2.2.5 News & Events

The News & Events Section contains information on the latest developments in relation to the project progress. Events such as Consortium meetings are displayed with rich visual material together with brief and concise descriptions of these meetings. The page also provides information about the events in which the BLIM4SME partners will take part during the lifetime of the project.



Figure 6: News & Events

## 2.2.6 Contacts

This page helps the visitors interested in the project to get into contact with the BLIM4SME consortium and express their specific interest in the project. The contact details are provided for the Project Coordinator, the Scientific Coordinator and for the Dissemination & Exploitation Manager.





Figure 7: Contacts

## 2.2.7 Member Area

The Member Area is a restricted area for access and storage of technical information by consortium partners. For a detailed description see section 2.3.1.

## 2.2.8 Site map

This section gives a layout of the website structure for easy reference to all users.



Figure 8: Site map

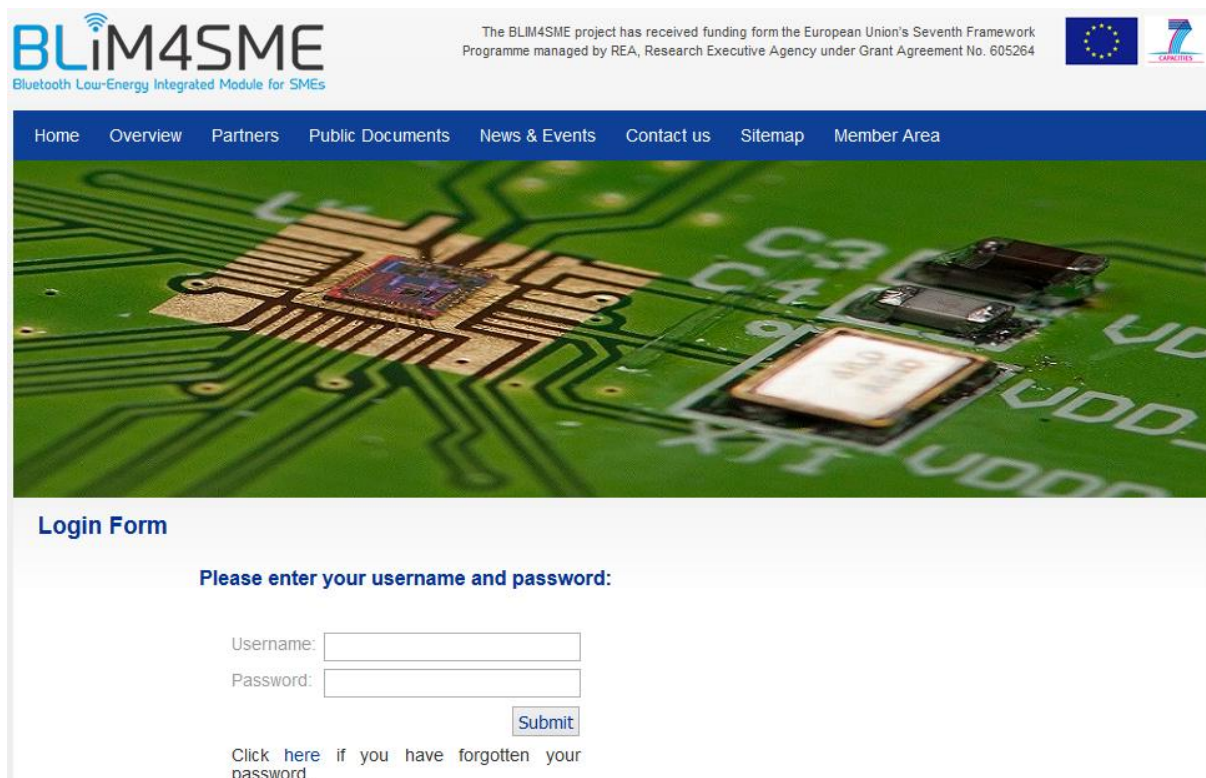
## 2.3 Web site functionalities for members

All horizontal menu items show the exact same features for the members of the consortium as for any visitor. The predominant difference of logging in [www.blim4sme.eu](http://www.blim4sme.eu) lies in the Member Area. A detailed description is provided further below.

### 2.3.1 Logging in

When creating the website, the Project Coordinator has provided each partner with a username and password, which have been sent confidentially to each partner separately. The username and password consists the primary login details for access in the restricted area. Login details (username and password) have also been created for the Project Officer in order to ensure that the REA has full access to the Member Area as well.

To access the restricted area of the web site, registered users (Members) may log in via the login form, by clicking on the Members' Area option on the horizontal menu. The login screen then appears and the user may fill in his/her login details.



The screenshot shows the BLIM4SME website header with the logo and project description. The navigation menu includes Home, Overview, Partners, Public Documents, News & Events, Contact us, Sitemap, and Member Area. The main content area features a large image of a circuit board. Below the image is the 'Login Form' section, which prompts the user to enter their username and password. There are input fields for 'Username:' and 'Password:', a 'Submit' button, and a link that says 'Click here if you have forgotten your password.'

**Figure 9: Logging in the Member Area**

In the event of forgetting the password, the user may click on the “Click her if you have forgotten your password” option under the Login form.



The screenshot shows the BLIM4SME website header and navigation menu. The main content area features a large image of a circuit board. Below the image is the 'Login Form' section, which prompts the user to enter their email address. There is an input field for 'Email:' and a 'Submit' button.

**Figure 10: Forgotten password**

A new Login Form appears where the Member may enter his/her e-mail address. An automatic password reminder will then be sent to the Member’s e-mail address.



### 2.3.2 Restricted documents

Once the Member logs in the Member Area, nine different document categories are available: Legal documents, Guidelines, Internal project management documents, Deliverables, Meetings, Reports, Mailing list, Presentations and Others.

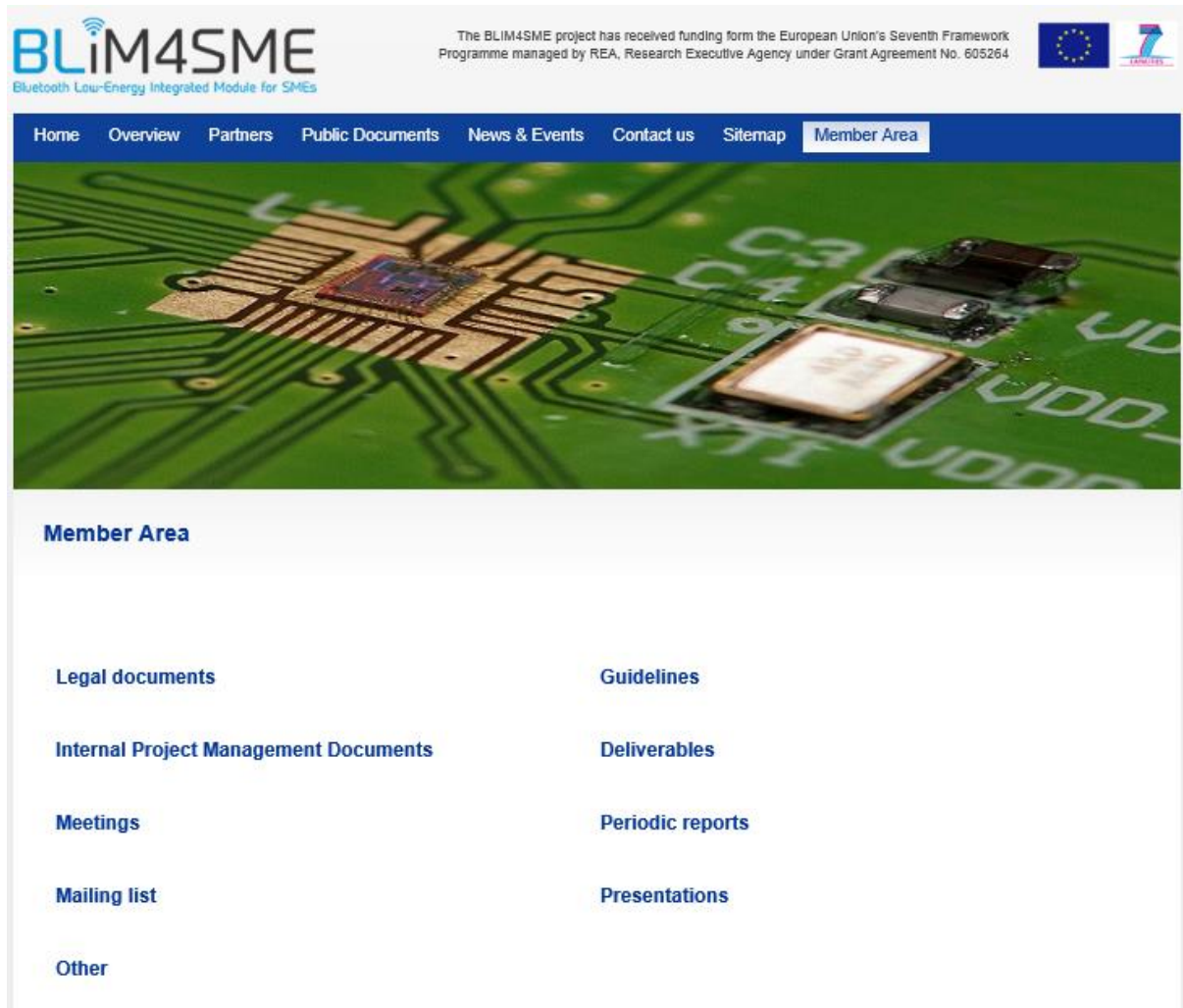


Figure 11: Member Area

The **Legal Documents** section concerns all types of documents which have a legal and binding effect on the partners. In this section, partners may view the Grant Agreement and all its Annexes as well as the Consortium Agreement together with the scanned signatures.

The **Guidelines** section includes all documents, relevant to the contractual obligations of any project consortium in relation to the Seventh Framework Programme. It provides useful information in relation to the EC such as the rules for participating in an FP7 project. The documents have been organised in different categories (e.g. financial issues, general FP7 documents, reporting, etc.), thus assisting the members in easy navigation among the documents.

**Internal Project Management Documents** concern the internal reporting which takes place among partners, but which is not a contractual obligation vis-à-vis the EC. In principle, two types of documents will be available in this section: progress monitoring documents (e.g. monitoring tables,



list of actions tables, Failure Mode and Effects Analysis sheet, etc.) and various project management templates (e.g. deliverable template, dissemination report template, etc.)

**Deliverables** consists of the verifiable outputs of the project, according to the List of deliverables described in the Description of Work (Annex I of the Grant Agreement).

**Meetings:** Within this article, partners can find the agendas, minutes as well as presentations presented during consortium meetings. Any presentations uploaded in this section have a confidential nature and are not viewable or downloadable to the wider public.

The **Reports** concern the contractual obligations of the Consortium vis-à-vis the EC and are considered as legal and binding.

**Mailing list:** in order to enhance easy communication, a regularly updated mailing list is available here with the contact details of the project partners.

The **Presentations** section collects all the presentations that the partners have prepared related to the project's objectives or have presented at various dissemination events.

**Other:** This section has a dynamic nature and reserved for documents that are either cannot be categorised as above or will be placed on the Member Area upon request of the members.

## 2.4 Additional functionality for the Project Coordinator

As stipulated in the Description of Work, the construction and technical maintenance of the website is the responsibility of the Coordinator, TALOS. The Coordinator has total control over the web site by uploading and editing:

- project information
- partners and contacts
- downloadable documents
- news articles

The system used by the Project Coordinator is the Content Management System (CMS) which refers to applications which allow the user to manipulate their remote content (such as text, images, tables, etc) often as easily as using a word-processor. CMS allows the user to change the content on their websites, without necessarily having any web development knowledge. Using CMS ensures that the website content can be easily updated without any unnecessary delay in uploading files, texts, images or other assets. It also ensures that the website design is changed according to the partners' requirements.

### **3 MANAGEMENT OF THE WEBSITE**

#### **3.1 Construction, technical management and maintenance**

The Technical Management of the BLIM4SME website belongs to the Project Coordinator, TALOS. The Project Coordinator updates the website, inserts data and generally regulates the methodology for technically managing the website. Technical management is implemented through the Content Management System and also includes the registration of the website addresses and regular renewal of the subscription as well as any necessary arrangements for the website hosting, including the 2 GB storage capacity in order to ensure that all necessary documents are properly stored either in the Public documents area or in the Members Area.

##### **3.1.1 Management of the website content**

As far as content is concerned, any type of document, picture, icon or text inserted in the webpage, must be first approved by the Exploitation Board, which is responsible for exploitation and dissemination activities. The Exploitation and Dissemination Manager at RW is responsible for collecting the necessary material (text, icons, photos, presentations etc.) from the partners, circulating them among the members of the Exploitation Board and obtaining their consent for the upload to the public areas of the website and publication of these materials through the website. As far as the Member Area is concerned, as there are no issues of confidentiality, the Project Coordinator can upload materials directly without obtaining the Exploitation Board's consent.

## 4 CONCLUSION

The BLIM4SME website is constructed with a restricted area for access and storage of technical information by consortium partners and a public access section whereby members of the public can consult non-confidential information about the project. The website is one of the main communication tools both between the consortium and the public as well as among consortium partners. As it has been explained above, the website satisfies high standard requirements of accessibility and efficiency, without being overcomplicated or difficult to use. Furthermore, at the end of the project, the relevant information and results will be available to the public, via [www.blim4sme.eu](http://www.blim4sme.eu) while during the project lifetime the website will be updated regularly. The overall objective of this deliverable will be achieved once the website becomes a paradigm for information and the most efficient tool to monitor the project's progress.

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