

### **Project Consortium and roles of the individual partners:**

The Shield project consortium is composed of 9 partners, representing the full value stream for this material. 2 industrial partners are focussing on raw material production and processing equipment; 4 industrial partners are end users of the developed technology and 3 research institutes are on board to reach the objectives.

The individual partners and their role in the project are listed below:



**VENTO BELGIUM**

VENTO NV is a company specializing in the production of profiles for rectangular air ducts and particularly in the production of pressed fittings for circular ducts.

Role in the project: VENTO NV is the technical coordinator of the project and will be responsible for the potential application of the novel insulation materials on pipes and ducts and in pipe-in-pipe cavities, development of the process and prototyping.

More info on [www.vento.be](http://www.vento.be)



**IBZ-SALZCHEMIE GmbH & Co. KG**

IBZ-Salzchemie is an integrated consulting and services firm founded in 2003.

Role in the project: responsibility for exploiting the results into the initiation of new production units for the basic materials of the Shield insulation material.

More info on [www.ibz-freiberg.de](http://www.ibz-freiberg.de)



**RUBIO, CMC, S.L**

RUBIO, CMC, S.L. is a SMEP founded in 1985 being a familiar group company. We work on metal sheets and profiles to produce metal doors mainly.

Role in the project: Our contribution in the project is to share our experience in production of metal doors and specifically, fire doors.

More info on [www.rubiomet.com](http://www.rubiomet.com)



Glas-Craft (UK) Ltd supplies high quality plural component systems for spray and dispense applications.

Role in the project: GLASCRAFT's main interest in the project is to support the development of a viable spray process for application of the SHIELD materials. They will support the design and specification of the materials handling equipment, working in collaboration with UK MatRI to define the required spray technology and delivery process optimisation.

More info on [www.glascraft.co.uk](http://www.glascraft.co.uk)



Advanced Insulation specialises in the manufacture and application of unique syntactic phenolic and silicone resin based foam insulation and fire protection systems.

Role in the project: AIS have substantial experience in the manufacture, supply and installation of topside insulation materials for the Oil and Gas Industries. These end-use environments require resistance to high humidity and demanding high fire resistance or excellent insulation performance. Our experience and testing facilities will be used in the project to assess material performance and processability of aeroclay composite materials within the SHIELD project against our existing half-shell insulation system design.

More info on [www.aisplc.com](http://www.aisplc.com)



**SIRRIS HET COLLECTIEF CENTRUM VAN TECHNOLOGISCHE INDUSTRIE VZW - BELGIUM**

Sirris is the collective R&D centre of the Belgian technological industry.

Role in the project: Sirris will help to set up guidelines for integrating the spray/injection equipment in the industrial environment of the partners and to support the product development. Sirris will also support the characterization of the insulation material and the exploitation of the results.

More info on [www.sirris.be](http://www.sirris.be)



UK MATERIALS RESEARCH INSTITUTE

The UK Materials Technology Research Institute (UK-MatRI) is part of a Research & Technology Development Group employing 550 scientists and engineers, and containing nine individual institutes, each with a specific technological specialism and competence.

Role in the project: UK MatRI will bring their experience of macroscopic and nanoscopic composite production and processing to the project. Their primary role will be to lead the development of a spray deposition system suited to in situ deposition of the SHIELD material. Taking into consideration the requirements of our end users within the project, UK MatRI will seek to identify an application system which can meet the requirements of our consortium partners.

More info on [www.uk-matri.org](http://www.uk-matri.org)



**ASOCIACION DE INVESTIGACION DE LAS INDUSTRIAS DE LA CONSTRUCCION - SPAIN**

AIDICO is a private non-profit Construction Technology Institute registered at the Innovation and Technology Organizations of the Spanish Science Ministry.

Role in the project: Aidico experts from the material unit will participate in the development of insulating aeroclay and pcm based materials. We will also optimise curing conditions and material characteristics for the selected application processes. Aidico will also be involved in the characterization and validation test of the prototypes.

More info on [www.aidico.es](http://www.aidico.es)



Arçelik A.S. is a full range of household appliance and components producer.

Role in the project: Arçelik will bring in their product requirements and will test the developed insulation materials for the company's applications.

More info on [www.arcelikas.com.tr/cultures/en-us/](http://www.arcelikas.com.tr/cultures/en-us/)