

# network enterprise europe

## Newsletter Sector Group Materials

N° 25  
March / April 2016

[Technology Offers and Requests /](#) [Upcoming Events](#) [EU News](#) [News from the Sector Group](#)  
[Project Partner Search](#)

### Editorial

Dear Reader,

welcome to the second Sector Group Materials Newsletter of 2016!

What is expecting you in this edition of the newsletter?

This edition provides you with information on new technology offers and requests, as well as business offers and requests, coming from our European and international partners and clients. Besides, you will find information about selected EEN brokerage events taking place in Italy and Germany in April and June 2016.

We would like to draw your attention especially to the new cluster Catalan Advanced Materials (CMAV). Furthermore, we are very glad to introduce a new member to the Sector Group Materials: edResearch Co. from South Korea, which presents itself in the news section of this newsletter.

Please do not hesitate to contact us, if you wish further information or support.

Enjoy reading this newsletter!

Nicole Okoye

Editor

Enterprise Europe Network Niedersachsen

Leibniz Universität Hannover

### Sector Group Materials

Is a cornerstone in the Enterprise Europe Network (EEN) enabling innovations and building bridges between material research and supply and the other sector groups. The Sector Group Materials connects active research, technology and business partners in the wide diversity of the materials sector.



ed RESEARCH

ACC10 Bayern Innovativ  
Competitività per l'impresa

Generalitat de Catalunya

CCI PICARDIE



CCI LIMOUSIN

CCIR BOURGOGNE

CCI RHÔNE-ALPES

Coventry University Enterprises Limited

Innovations-Management Rheinland-Pfalz

FAST  
Federazione delle associazioni scientifiche e tecniche fondata nel 1897

CCI RÉGION NORD DE FRANCE

MIRTEC

HESSEN  
TRADE & INVEST

BETAM

Flanders State of the Art

RED IT  
NETWORK OF TECHNOLOGICAL INSTITUTES OF THE VALENCIAN REGION

GAPR

Institut "Jožef Stefan", Ljubljana, Slovenija

JIC

Hochschule Osnabrück  
University of Applied Sciences

RCI ITT  
REGIONAL CENTRE FOR INNOVATION AND TECHNOLOGY TRANSFER  
West Pomeranian University of Technology, Szczecin

Leibniz Universität Hannover

Sabancı Üniversitesi

PODLASKA FUNDACJA ROZWOJU REGIONALNEGO

Scottish Enterprise

network enterprise europe serbia

STIFT

praxi  
help-forward network

Stiftung für Technologie, Innovation und Forschung Thüringen

ed RESEARCH

NATIONAL AGENCY FOR INNOVATION AND RESEARCH LUXINNOVATION

STEINBEIS-EUROPA-ZENTRUM

UNIONCAMERE PIEMONTE

swerea IVF

UNIVERSITÀ DEGLI STUDI DI NAPOLI FEDERICO II

UNIVERSITY OF ZIELONA GÓRA

UNIVERSITY of GREENWICH

ZAB  
ZukunftsAgentur Brandenburg  
Netherlands Enterprise Agency

# Technology Offers and Requests and Project Partner Search

The full lists of offers, requests and of local EEN partners are available at <http://een.ec.europa.eu>. Please choose the cooperation offers you are interested in and contact your local EEN partner to receive more information and contact details. We will help you to contact potential cooperation partners.

## Industrial Processes / Manufacturing

### **Request: Development of fiber samples with specific thermal properties for application in 3D-fibre formed parts for acoustic and thermal insulation (TRDE20160120001)**

A German SME has developed a new technology for production of 3D-fibre formed parts for acoustic and thermal insulation that can be applied e.g. in the automotive, construction or medical sector. The technology allows production from a large range of different materials and the SME is looking for new fibres for their products/applications that have suitable thermal properties. The SME searches companies for a technical or research co-operation and in a second step for a manufacturing agreement.

### **Offer: Manufacturing technologies to produce aluminium components with improved properties from aluminium and magnesium alloys (TOES20160119001)**

A research centre of a Spanish university has developed various manufacturing processes, moulds and materials to obtain lightweight alloys components (aluminium and magnesium alloys). Their processes are used in manufacturing lines, in various industrial sectors. The components have improved properties like mechanical strength and reduced porosity. The group is interested in research and technical cooperation, and in manufacturing agreement.

### **Offer: Heat treatment technologies applied to Low-Temperature Polycrystalline Silicon (LTPS) and Oxide Thin Film Transistor (TFT) (TOKR20150930001)**

A Korean mid-sized company has developed heat treatment technologies to form a liquid type oxide semiconductor layer on a flexible substrate. The process can be treated at a lower temperature with high performance compared to existing heat-treatment equipment. It is looking for a European partner available for a commercial agreement with technical assistance.

### **Research: H2020-FTI Pilot -01- 2016: Looking for artificial turf grass manufacturer and/or compounder of the material for the manufacturing of functionalized artificial turf grass (nor Spanish, neither Italian) (RDES20160317001)**

A Spanish technological centre and two organizations from Spain and Italy are building up a Horizon 2020 Fast-Track-to-Innovation project aimed at the functionalization of artificial turf. A consortium partner is sought for the role of artificial turf grass manufacturer and/or compounder of the material for the manufacturing of artificial turf grass. (An artificial turf's infill manufacturer is NOT sought).

## Building and Construction

### **Offer: Technology for production of 3D fibre formed parts without PUR (polyurethane) for acoustic and thermal insulation (TODE20160122001)**

A German SME has developed a new technology for production of 3D fibre formed parts for acoustic and thermal insulation. Nearly every kind of staple fibres can be used (e.g. polyether sulphone, cotton, hemp, flax) and the new technology can replace the common PUR production technology. Applications are e.g. sound insulation

parts in cars or insulations in the construction sector. The SME searches commercial agreements with technical assistance or license agreements with partners from industry.

### **Offer: Heating glass panels are offered for development of new models of doors and windows (TOPL20160309001)**

A Polish manufacturer of innovative radiators constructed of two glass panels is looking for a partner to develop a new product – a door or a window with a heating glass panel. The unit of 120x60 cm is enough to heat a room of 20-25m<sup>2</sup> with very low consumption of electricity. It is very aesthetic in itself but can also be covered with any graphics. Cooperation in a form of technical cooperation agreement is offered.

### **Request: Hardening accelerator technology sought and slope stability technology sought (TRKR20150416001)**

A Korean SME as a construction company working on ground improvement and restoration of ground settlement structures is looking for a technology regarding hardening accelerator and slope stability. Its developed technology is already on the market which is reinforcing and restoring flimsy ground or settlement structures using grout materials. The requested technology should be environmentally friendly and recyclable. A commercial agreement with technical assistance is its possible cooperation.

## Chemistry / Pharmaceuticals / Medical Applications

### **Business Request: A Czech company specialized in wholesale trade with industrial chemical products offers trade intermediary services (BRCZ20160212002)**

A Czech company is engaged in wholesale trade of industrial chemical products that are used in the production process and maintenance in the industrial sector (e.g. industrial cleaners, lubricants, separators, sprays, multifunction oils etc.). The company offers to become a distributor or an agent for manufacturers that want to sell the technology, products and services on the Czech market. The company is looking for partners specifically from Germany, Austria and Switzerland.

### **Offer: A chemical free solution for fouling, scaling and corrosion in industrial processes (TOBE20150601001)**

A Flemish SME, active in the industrial cleaning sector, developed a combination of nanocoating and ultrasonic treatment that leads to elimination or strong reduction of biofouling, scaling and corrosion, which forms an alternative or additional technology for the treatment of liquids with chemicals. They are looking for industrial partners to cooperate via a commercial agreement with technical assistance.

### **Offer: Rework chemicals for display panels (TOKR20150921001)**

A Korean SME specializing in electronic chemical materials in the fields of display, touch sensor panel, solar cell and semi-conductor is offering innovative rework chemicals for displays. The company offers color filter rework chemicals, TFT (Thin Film Transistor) rework chemicals, and polyimide rework chemicals. The company is looking for a partner for a licensing agreement, commercial agreement with technical assistance, joint venture, or financial resources.

### **Offer: A Korean SME developed chemicals for solar wafer texturing and cleaning (TOKR20150921002)**

A Korean SME specializing in electronic chemical materials in the fields of display, touch sensor panel, solar cell and semi-conductor

is offering a novel technology for silicon wafers. It offers texturing chemicals for mono-crystalline silicon wafer and solar silicon wafer cleaning chemicals. These chemicals work perfectly in the solar panels manufacturing process. It is looking for a partner for a licensing agreement, joint venture, or financial resources.

**Offer: Graphene customized treatments based on green chemistry (TOIT20151214004)**

An Italian startup with focus on graphene applications has developed a graphene production technology based on green chemistry. The technology can be used for the treatment or modification of many materials such as plastics, ceramics, composites, metals and so on. The company is looking for commercial agreement with technical assistance with companies dealing with materials issues and properties.

**Offer: Recovery and valorisation of agro-industrial resources (TOIT20151214003)**

An Italian Laboratory active in the field of agriculture is developing phytoiatric mixtures of natural compounds obtained from the valorisation of bio-waste plant material from agriculture and agrofood SMEs. The mixtures have a role against phytopathogens and help plants to tolerate adverse environmental conditions. Laboratory is looking for technical cooperation with SMEs in the field of agriculture with bio-waste and SMEs producers of agro-pharmaceuticals that adopt the mixtures.

### Recycling / Energy / Environment

**Offer: Energy harvesting components and natural ventilation on building envelopes – research, testing and integration (TODE20151202002)**

A German research centre offers research experience on multifunctional energy efficient building envelopes with integrated renewable energy harvesting. This includes the research, testing and integration of photovoltaic thermal hybrid (PVT) collectors integrated in buildings that provide up to three energy forms at the same area. They also work on issues of building envelope integrated natural ventilation mechanisms (active/passive). They look for technical, research or service cooperations.

**Offer: Efficient energy harvesting for the internet of things or wireless sensors by use of innovative thermoelectric generators (TODE20160215002)**

A spin-off from a German research institution has developed innovative thermoelectric generators (TEGs) as an independent energy supply for wireless sensors and actuators. TEGs convert heat directly into electric power as soon as there is a condition of differences in temperature. Due to new materials and a low-cost production process the SME will be the first manufacturer to produce TEGs suitable for broad mass applications. They look for licence, technical and research co-operations.

**Offer: Environmental engineering and plasma technology for decontamination of exhaust gases, air pollution control and elimination of odours (TODE20160113003)**

A German SME active in environmental engineering has developed products and processes based on plasma or scrubber technology to reduce air pollution through purification of exhaust gases. Application areas are all industries where exhaust gases play a role (e.g. chemical and semi-conductor industries). The SME is interested in commercial agreements with technical assistance and in technological and research co-operations to improve the products/processes and to

identify new application areas.

**Offer: High capacity storage concept for photovoltaic power systems (TODE20160113001)**

A German expert in the manufacturing of battery testing systems has developed a patented high capacity storage concept for electrical power based on lithium-ion battery technology for the application in photovoltaic systems. This concept offers maximum system efficiency of around 95%, highest safety standard and minimal production costs. This flexible concept can be retrofitted to existing PV systems. Battery manufacturers are sought for a license Agreement or technical cooperation.

### Other

**Business Offer: Innovative glass radiators are offered under subcontracting and for commercial agency agreement (BOPL20160308002)**

A Polish company offers an innovative solution in heating area. A radiator constructed of two glass panels of 120x60cm is enough to heat the room of 20-25m<sup>2</sup> with very low consumption of electricity. It is very aesthetic itself but also can be covered with any graphics and can replace traditional radiators. The manufacturer is looking for commercial agents to represent him on foreign markets as well as architects and construction companies to cooperate as a subcontractor.

## Upcoming events

Events are open to interested enterprises and research organisations and are usually free of charge. You will be supported to disseminate information about your organisation and know-how in advance (by including it in online-catalogues, brochures etc.). Moreover, you will receive information about other participants (of our brokerage events at international fairs) or visiting organisations (of our company missions) in order to preschedule meetings and contact participants of your choice. After the event, we will help you to stay in touch with the contacted organisations and we will provide you with further information.

### **BROKERAGE EVENT, A Sustainable Waste Management Approach, 7th April 2016 in Rome (Italy)**

CNR and Enea, organize the brokerage event B2B in XXI IUPAC Conference: A sustainable waste management approach. The B2B in XXI IUPAC Conference is an event addressed to all companies, researchers and institutions committed in the sector of waste management and recovery, and especially in the topics:

- Solid urban waste management
- Technologies and materials for reuse and recycle
- Environmental engineering
- Emerging biotechnologies for sustainable waste management
- Green Chemistry
- Chemical and materials
- Manufacturing of new materials from wastes and bio-wastes
- Materials recycling and transformation
- Renewable energy from urban wastes

More information online: <http://www.iupac-rome2016.it/> or contact Antonio Cusma (+39 06 4993 2317, [antonio.cusma@cnr.it](mailto:antonio.cusma@cnr.it)).

### **Milan Design Week, 13 - 14 April 2016 in Milan (Italy)**

On the occasion of the Milan Design week, grouping many events inside and outside the famous Milan Furniture fair (Salone internazionale del mobile and Fuorisalone) EEN partners from Lombardy region are organizing a brokerage event with a special focus on materials for furniture: wood, marble, textile, ceramics and glass are applied



in traditional and non traditional ways for new design furniture. Companies active in the design field are invited to participate! The event will take place in Milan on the April 13-14. Participation is free of charge. Meetings can be booked starting from 15th March 2016. Registrations are open until 4th of April. More information and registration online: [www.b2match.eu/milandesignweek2016](http://www.b2match.eu/milandesignweek2016) or contact Angela Pulvirenti (+39-02-77790309, [angela.pulvirenti@fast.mi.it](mailto:angela.pulvirenti@fast.mi.it)).

### **Technology Cooperation Days@HANNOVER MESSE, 26 - 27 April 2016 in Hannover (Germany)**

The HANNOVER MESSE is the ideal place to obtain the latest industrial know-how. Established more than sixty-five years ago, HANNOVER MESSE ranks today as the leading international showplace for industrial technologies, materials and product ideas. The brokerage event Technology Cooperation Days is a platform for enterprises, research institutions and universities to find partners for technology and research cooperations and business partnerships in pre-organised one-to-one meetings. 212 participants from 23 countries participated last year. In 2016 the focus of the event lies on INDUSTRY 4.0: Smart Factories & Efficient Manufacturing Technologies. The registration is free of charge before 29th February 2016. For more information and registration please visit: [www.TechnologyCooperationDays.com](http://www.TechnologyCooperationDays.com) or contact Melanie Albrecht (+49 511-30031-368, [melanie.albrecht@nbank.de](mailto:melanie.albrecht@nbank.de)).

### **Innovat&Match 2016, 9 - 10 June 2016 in Bologna (Italy)**

Innovat&Match is organized in the framework of R2B - Research to Business 2016, the international exhibition dedicated to Research & Innovation. This year R2B programme will include among others: FabLabs and digital manufacturing experiences from all over Europe; workshops and meetings on the Silicon Valley mindset; Open Innovation; Corporate Academies; BigData and much more. The brokerage event is open to companies and researchers willing to activate international collaboration in the fields of: AGRIFOOD INDUSTRIES, MECHATRONICS AND TRANSPORTS BUILDING AND CONSTRUCTIONS, HEALTH SYSTEM, CREATIVE INDUSTRIES. Participation is free of charge. Registrations are open until 16th of May 2016: <https://www.b2match.eu/r2b2016>.

## **EU News**

### **Consultation of the European Commission for NMBP Work programme 2018-2020 preparation**

More information: <https://ec.europa.eu/programmes/horizon2020/en/node/2315>

## **News from the Sector Group**

### **New Cluster: Catalan Advanced Materials Cluster (CMAV)**

Advanced Materials Cluster of Catalonia is one of the 30 clusters that Catalan Government supports, with more than 1.700 active companies involved. The Cluster was officially launched last year by

21 founding members after two years of public leadership (ACCIÓ). The cluster integrates companies and entities of the value chain of materials: engineering, raw materials, tech centers, designers, manufacturers, recycling companies and so on. Moreover, the cluster involves different materials families such as metallics, polymeric, technical textiles, smart ceramics and compound materials with the aim to overcome new challenges. Currently, the leadership of the cluster is private with 31 members (24 companies, 7 entities) and focused on 6 strategic areas: (1) Market intelligence and commercialization, (2) Cluster Visibility, (3) Internationalization, (4) Technology transfer, (5) Eco innovation and (6) Cluster growth.

This year, 5 companies of the Cluster took part to the B2B Matchmaking of the JEC 2016, in Paris. We estimate that in Catalonia there is a critical mass of at least 182 companies and tech centers with a global turnover of 1.410 M € and a workforce of 4.130 jobs related to advanced materials. You will find more information about the cluster objectives and activities to [www.clustermav.com](http://www.clustermav.com). Local EEN contact : Elsa Luciani ([eluciani@gencat.cat](mailto:eluciani@gencat.cat)).

Author: Elsa Luciani

### **New Member: edResearch Co., Ltd**

edResearch has been performing consulting services on technology transfer and commercialization with a big interest in materials industry including the display industry since its establishment. Since 2006, edResearch has consulted the technology commercialization strategy to public research institutes, universities, and companies for monetization of their technologies. Moreover, we have provided the global technology transfer platforms & networks to competent SMEs who want to enter successfully into technology market of Europe, USA, and China.

Business fields:

1. Consulting service on technology management
  - Business Idea & business Model strategy development
  - Technology commercialization strategy development
  - R&BD Planning and commercialization
  - Start-up incubation
  - Oversea business support
2. IP licensing
  - International & Domestic technology transaction
  - Research and Analysis on Technology and market trend
  - Patent analysis and patent strategy development

edResearch is focusing on the field of automotive and ICT convergence materials to search international R&D collaboration partners under the EUREKA and Horizon2020 projects for Korea & EU entities. We have great domestic network including Korea Automotive Technology Institute, Korea Electronics Association, and Korea Electronics Technology institute by supporting them to help Korean companies for globalization. More importantly, we have both internal & external technological experts and consulting experience in the field of semiconductor, automotive parts, and displays including electronic materials.

Author: Ellie Jung ([elliejung@edresearch.co.kr](mailto:elliejung@edresearch.co.kr))

The newsletter is published by Leibniz University Hannover on behalf of the Sector Group Materials of the Enterprise Europe Network. The Enterprise Europe Network is funded by the European Commission. Neither the European Commission nor the EASME, the publisher, or any other person acting on their behalf may be held responsible for the use to which information in this newsletter may be put, or for any errors which, despite careful preparation and checking, may appear. We cannot assume any liability for the up-to-dateness, completeness or accuracy of any of the contents. The views in this publication are those of the authors and do not necessarily reflect the view of the editor or the policies of the European Commission.

Editor: Nicole Okoye, Enterprise Europe Network Niedersachsen / Leibniz Universität Hannover

Bühlstr. 27, 30169 Hanover / Germany, Tel. +49 511 762 5406, Mail: [nicole.okoye@zuv.uni-hannover.de](mailto:nicole.okoye@zuv.uni-hannover.de)