

# network

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Quicklinks:

[Recent Technology  
Offers and Requests /  
Project Partner Searches](#)

[Upcoming  
Events](#)

[News from  
Sector Group](#)

## NEWSLETTER - SG Materials

### Editorial

Dear reader,

an exciting year is coming to its end. Looking back at more than one hundred technology requests and offers as well as 27 major events shared through the SG Materials Newsletter, it is save say that 2015 has been a busy year with plenty of great opportunities for new cooperations.

And 2016 looks to be no different. So make sure to save the date for some of the promising upcoming brokerage events listed in this newsletter, such as Cerámica Innova, Future Match, STOM 2016 and many more.

If you have any further questions or remarks please do not hesitate to contact us. We look forward to hearing from you.

Enjoy reading!

Joanna Einbock

Editor

Enterprise Europe Network Niedersachsen

Leibniz Universität Hannover

### Sector Group Materials

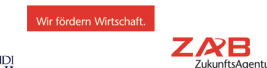
Is a cornerstone in the Enterprise Europe Network enabling innovations and building bridges between material research & supply and the other sector groups. The Sector Group Materials connects research, technology and business partners active in the wide diversity of the materials sector.



## Materials



agency for Innovation  
by Science and Technology



# Recent Technology Offers and Requests / Project Partner Searches

The full version of offers and requests of the Enterprise Europe Network and a list of local EEN partners are available at <http://een.ec.europa.eu>. Please choose cooperation offers you are interested in and contact your local EEN partner to receive more information and contact data. We will help you to establish contact with potential cooperation partners.

## Industrial Processes / Manufacturing

### **Request: Polishing technologies sought for glass faceted stones (TRAT20151104001)**

An Austrian manufacturer of consumer goods is seeking to improve their existing tribochemical polishing process with a new stable manufacturing process. The process should ensure a high-quality polish of small faceted glass stones with low production costs and a fast execution time. The manufacturer is open to a variety of partnerships including licensing, technical cooperation and/or financial agreements.

### **Request: Metallised dielectric film technology sought for high performance capacitor development (TRUK20151123001)**

A UK based designer and manufacturer of power capacitors supplying many leading automotive, rail and aerospace manufacturers wishes to develop new advanced capacitors with high power to weight ratios and capable of performing at high operating temperatures. It seeks metallised, dielectric film manufacturers to jointly develop new film technologies to address the technical challenges presented. Exclusive technical cooperation and joint venture agreements will be considered.

### **Offer: Discharge flow system insensitive to variations in glaze viscosity assuring color uniformity in ceramic tiles (TOES20151028002)**

A Spanish research centre from the ceramic sector has developed a glaze feed system for bell application, insensitive to variations in glaze viscosity, producing more uniform tiles. It has been tested at industrial-scale conditions and patented. This system could be used in other sectors that use bell glazing or for other systems in which the feed flow rate of a liquid or suspension needs to be kept steady and constant. A license or a commercial agreement with technical assistance is desired.

### **Offer: Automatic control of the bulk density of a ceramic body made by pressing (TOES20151028001)**

A Spanish research centre from the ceramic sector has developed an innovative system to control the pressing process in the ceramic industry to keep dry bulk density constant in the industrial pressed tiles. The density determines their behaviour in manufacturing and their final technical and aesthetical properties. The centre searches for license or commercial and technical agreements to install the system in the ceramic sector or other in which products require constant density.

### **Offer: Power transfer technology to functionalize complex shape composites (TOFR20151005001)**

A SME based in Northern France is specialized in conductive and heating wires and flexible grids. They have developed a new technology of flexible layer concept making possible functionalization of composites (de-icing, heating, monitoring circuit, etc.). The company seeks partner in the field of composite manufacturing for commercial agreement with technical assistance.

### **Offer: German machine tool company offers new spinning lathe (TODE20150520001)**

A German company specialized in the machine tool industry developed a new spinning lathe to achieve excellent surfaces, perfect reproducibility, high efficiency and low rejection quotas. The company offers its innovative product for commercial agreement with technical assistance.

### **Offer: In-mould curing technology for composite manufacturing industry (TOFR20151005002)**

A French SME is specialized in conductive and heating wires and flexible grids. They have developed a new technology of flexible layer concept making possible in-mould curing of composite, an energy-efficient and flexible method compared to oven-curing. The company seeks partner in the field of composite manufacturing process for commercial agreement with technical assistance.

### **Offer: High-precision and material-saving cutting solutions for flexible production (TODE20150910001)**

A German mechanical engineering company is a specialist in band saws and cutting systems. The family-owned company develops and builds innovative and customized, high-precision and material saving cutting solutions for flexible production. It is interested in further expanding its activities in the field of lightweight materials and in the insulation and aerospace industry in the coming years. It is looking for a commercial agreement with technical assistance.

### **Offer: Mechanical ultra-high vacuum components: Reusable positioning tool for CF flanges offered (TODE20151029001)**

A German Research Group of a University has developed a reusable positioning tool for common mechanical connecting components, called CF flanges. It aims to avoid copper gasket losses. These gaskets are positioned between CF flanges in ultra-high-vacuum components. Thus this development offers cost and time savings while mounting the CF flanges. The University is looking for industrial partners for license agreements.

### **Offer: Development of biopolymer compounds for the plastic processing industry (TODE20131216001)**

A German SME develops, produces and sells high-quality thermoplastic materials based on renewable materials for the plastic processing industry. The materials can be processed like synthetic thermoplastics on conventional plastics processing machines but also have the positive properties of natural wood. The materials can be used in many sectors (e.g. packaging, construction and automotive industry). The SME looks for a commercial agreement with technical assistance or a technical co-operation.

## Automotive and Transport

### **Offer: Natural fibre composites with high mechanical properties, low emissions and uniform colour for new light weight applications (TOAT20151008001)**

An Austrian R&D company developed compounding and production processes for natural fibre composites optimized for applications in automotive industry, furniture, household, packaging etc. NFC feature lower energy consumption in

production, lower density (weight) and usage of renewable raw materials. Pilot plants for profile extrusion and injection moulding are at hand. Potential user, developer and/or producer of NFC are sought for tailored developments (technical or research cooperations).

**Offer: Services agreement for the development of automotive lighting products (BODE20151008002)**

A German company specialized in the development, design and construction of new automotive lighting concepts, headlights, rear lights, indicators and other interior ambient lights offers a outsourcing agreement, services agreement or subcontracting.

### Furniture / Building and Construction

**Offer: Sound insulation window with fully integrated lowcost loudspeakers (TODE20150612001)**

A large German research organisation active in the fields of smart structures and acoustics has developed a prototype of a sound insulation window with fully integrated innovative lowcost loudspeakers. This concept is lighter and smaller than conventional triple-glazed windows. It is fit for loud surroundings, for scrambling or masking sound. The institute is looking for an enterprise interested in having the prototype developed into series production and manufacturing the product.

**Offer: Permanent protection system for buildings against moisture, dampness and water seepage (TODE20141104001)**

A German SME has developed an electro-chemical system for drying/restoration and protection of buildings against humidity. The system turns a wet room into a dry, stable and healthy condition in a short period of time (without digging or chemicals). It can be used as a precaution in areas where seepage is high and/or where flooding may occur on regular basis. The SME searches for partners for commercial agreements with technical assistance and technical cooperation with knowhow transfer.

### Chemistry / Pharmaceuticals / Medical Applications

**Offer: Manufacturer of tantalum equipment and components is looking for sales representatives in the chemical and pharmaceutical industry (BODE20150821002)**

A specialized German manufacturer of tantalum equipment and components for the chemical and pharmaceutical industry is looking for sales representatives. The very international company has long experience in building high quality products such as custom-built heat exchangers and accessories. The special expertise of employing tantalum is one of the key benefits of the company. The partner sought should have established very good sectoral contacts.

### Recycling / Energy / Environment

**Request: A French company seeking composite laboratories partners to find industrial solution for waste glass fiber (TRFR20150925001)**

A company from Northern France is an expert in recycling engineering processes and circular economy approaches. They are looking for laboratories or technical centers in order to find industrial solution to recover glass fiber waste coming from

industrial process. The company seeks partner with technical experience in composite and recycling in order to open up new markets. A technical cooperation agreement or a service agreement is sought.

### Textiles

**Offer: A novel volumetric silicone dispensing technology offered (TODE20150713001)**

A German SME has developed a novel dispensing technology for silicones or other elastomers. This new volumetric production process is axis-controlled and allows the user to take dosing adjustments digitally just from the drawing program. Applications are for example kneebandages and anti-slip coatings for incubators as well as printed brassieres. The SME is mainly looking for partners producing medical textile devices or women's underwear. Technical cooperations are sought.

**Offer: Customized acoustic, sound absorbing fabrics, including covering (TODE20150918001)**

A small German company specialized in the production of synthetic fabrics offers customized acoustic fabrics for the application in sound systems within consumer electronics, cars, home and office furniture. The R&D Company has a large experience in the field of technical textiles and with trans-national cooperations. An industrial partner is sought for a technical cooperation and commercial agreement with technical assistance.

### Other

**Offer: Shape sensing technology (TODE20151109001)**

A German SME offers shape-sensors capable of capturing their positions by creating a 3D-model of their current layout. The cable-like shape-sensor opens up numerous applications like the monitoring of machines; whereas the sensor for large objects allows for a precise monitoring of e.g. technical facilities, aircrafts or bridges, detecting fatigue of material or overload. Technical cooperation agreements and licensing are offered.

**Offer: Extremely efficient shielding technology for electromagnetic compliance (BODE20150915001)**

A company situated in Northern Germany has developed a shielding technology in the field of electromagnetic compliance (EMC) and EMC-emission measurements. The patented process, which has been attested by independent research institutes, ensures a cost-effective and highly efficient electromagnetic shielding for nearly any area of application, any product and every material which needs to adhere to EMC-norms. The company is looking for distribution partners and commercial agents.

**Offer: Vibration isolation for high-precision analysis or production equipment (TODE20150630001)**

A large German applied research organisation in the fields of smart structures and acoustics has developed a prototype of an active mounting device for sensitive equipment such as high-precision analysis, production or communication devices. The solution allows vibration isolation of the whole system of about -18dB. For a successful product placement, partners are sought who are willing to finalize the concept for series production.



## Upcoming events

Events of the Sector Group Materials in the Enterprise Europe Network are open to interested enterprises or research organisation and are usually free of charge. You will be supported before the event to disseminate information about your organisation and know-how in advance of the event (by including it in online-catalogues, brochures etc) and you will receive information about other participants (of our brokerage events at international fairs) or visited organisations (at our company missions) in order to preschedule meetings and contacts of your choice. Even after the event we help you to stay in contact with the other organisation and we provide you with further information, e.g. funding opportunities for joint projects.

### Save the date: CERÁMICA INNOVA - 5th Technology-Business Networking Event, 1 - 5 February 2016 in Valencia (Spain)

CERÁMICA INNOVA is an international networking event aimed to connect companies and organizations from the habitat, construction, architecture and ceramics sectors, fostering meetings among them to share innovative technological proposals and to discover solutions for new challenges. These are the main activities offered at CI5:

- **From research to market:** Projekt results and technology offers. Presentation of results obtained from European projects ready to be transferred to the market.
- **From market to industry:** Products and innovations demo. Presentation of innovative products, services and technologies in the market ready to be applied in the industries.
- **Innovations exhibition and networking:** Exhibition of technological innovations and opportunities to collaborate with partners worldwide.
- **B2B Matchmaking Event:** Bilateral meetings organized according to the previously specified interests of each participant. The participation in the event and the entrance to the fair are free.

For more information and registration please contact Elena Cortés ([elena.cortes@redit.es](mailto:elena.cortes@redit.es), +34 96 13 66 688).

### Brokerage Event at SMAGUA, 8 - 9 March, 2016, Zaragoza (Spain)

The 22nd edition of SMAGUA, the international water and irrigation exhibition, will bring together, once again, leading companies in the water industry and professionals interested in finding out all about the latest technologies, equipment and systems for the management of this crucial resource. During SMAGUA 2016, the Confederation of Entrepreneurs of Aragon (CREA) and the Technological Institute of Aragon (ITAINNOVA) in collaboration with Zaragoza Exhibition Centre and the Enterprise Europe Network of the European Commission will be organizing a business meeting / brokerage event focused on EU companies. The aim is to promote business cooperation activities among Enterprise Europe Network partners to facilitate business, technology and research agreements by implementing matchmaking events.

Participation in the brokerage event is free of charge. All participants will have bilateral meetings, pre-arranged 30 minutes long individual face to face meeting. All the participants, SMEs innovation organization and technology transfer center etc. can attend this event. Please click the official website to get more detailed information about this event at: [www.iems.es](http://www.iems.es) or contact Olivia del Amo ([een@crea.es](mailto:een@crea.es), +34 976 46 00 66). The registration will start at the end of January and will close by March.

### Brokerage Event at the STOM 2016, 10 March 2016 in Kielce (Poland)

The EEN in liaison with the Chamber of Industry and Commerce Staropolska in Kielce is going to organise a brokerage event in the framework of the International Fair of Metal Processing STOM 2016. The event will be organized on 10th of March 2016 in Kielce/Poland in the framework of the International Fair of Metal Processing, Tools and Machine Tools STOM-TOOL, Sheet Metal Processing Fair STOM-BLECH, Industrial Laser and Laser Technology Expo STOM-LASER, International Fair of Welding Technology And Equipment WELDING.

The STOM fairs held in Kielce is the showcase for the latest technologies as well as machines, the state-of-the-art technologies, tools and materials used in metal processing, including laser and water cutting systems, bending and forming, die shearing and painting, machines, equipment and technological solutions as well as materials used in the welding industry, the display is complemented with computer systems designed to support welding processes, automated equipment, robots, technological lines and technical gases. The participation is free of charge. For your registration and further information please visit: <http://izbainnowacji.pl/brokerageevents/spotkania/info.php?eventid=12&lang=gb> or contact Anna Śmiałowska ([een@siph.com.pl](mailto:een@siph.com.pl), +48 41 368 02 78).

### Not only for IT experts: Brokerage Event Future Match @ CeBIT 2016, 14 - 18 March 2016 in Hannover (Germany)

Future Match 2016 at CeBIT, the world's largest information and communication technologies (ICT) fair, is the 18th edition of one of the largest and most successful international brokerage events in the Enterprise Europe Network. Since 1999 Future Match has enabled exhibitors and visitors at the fair to find partners for cooperation, for product development, research and development, joint ventures, manufacturing, marketing and/or licensing agreements. Potential buyers, users or cooperation partners from sectors other than ICT looking for ICT related products, services or know-how are invited to participate in the event FREE of costs. For more information and registration please visit [www.futurematch.cebit.de](http://www.futurematch.cebit.de) or contact Joanna Einbock ([joanna.einbock@zuv.uni-hannover.de](mailto:joanna.einbock@zuv.uni-hannover.de); +49 511 7625406).

### EEN Brokerage Event at ESEF 2016, 15 - 18 March in Utrecht (Netherlands)

The ESEF is the largest exhibition in the Benelux in the field of supply, subcontracting and engineering. Once every two years, Original Equipment Manufacturers (OEM), product developers and buyers visit ESEF to find inspiration in the latest developments, meet new business contacts, share knowledge and make investments. The following sectors will be in the spotlight during ESEF 2016: metalworking and materials, system and engineering, surface technology, plastic and rubber technology. The brokerage event offers companies:

Registration at [www.een-matchmaking.com/esef2016](http://www.een-matchmaking.com/esef2016). For more information please contact Niels Dickens ([niels.dickens@cc.lu](mailto:niels.dickens@cc.lu), +352 42 39 39 371).

## WIRE and TUBE Brokerage Event/Company Mission Program, 5 - 6 April 2016 in Düsseldorf (Germany)

Join us on the wire and tube - brokerage event in 2016! With more than 38.000 trade visitors and 1300 exhibitors WIRE in Düsseldorf is the world leading trade fair for the wire and cable industry. The EEN of North Rhine-Westphalia invites companies to participate in the „Trade Fair and Delegation Scouting“ program during the fair. In collaboration with chambers of commerce and industry, regional clusters and the relevant business associations, we organize a supplementary framework program for foreign company missions and delegations in order to seize synergy effects and provide the maximum opportunity to get acquainted to the regional sector and meet potential cooperation partners. The program may include:

- Matchmaking or networking events on or offsite the fair
- Direct search for partners via our net of stakeholders
- Presentations/workshops by experts of the sector
- Guided tour at the fair to regional companies
- Company visits within the state of North Rhine-Westphalia to outstanding enterprises

The program is open to delegations from all EEN member countries. For more information please contact Erik Heilmann [erik.heilmann@nrw-international.de](mailto:erik.heilmann@nrw-international.de), +49 211 710671232).

## News from the Sector Group

### Review: The EEN Brokerage Event at Fakuma 2015

From October 13-17, the German City of Friedrichshafen, located in the triangle region of Germany, Austria and Switzerland at scenic Bodensee, hosted the 24th “Fakuma Trade Fair for Plastics Processing”.

This year, the trade fair provided ground for about 1.780 exhibitors from 38 countries and covered an exhibition space of about 85,000 sqm at Messe Friedrichshafen. The companies, which were exhibiting their latest technologies and innovations in the field of plastics processing, covered all elements of the value chain – from raw materials suppliers to plastics producers and compounders, plastics machinery manufacturers, plastic waste managers, recyclers and many others.

With 45,700 (mainly professional) visitors from 120 countries, Fakuma has even seen a new visitor record in 2015. One highlight at this year's Fakuma was the „Brandenburg-Day“, which took place at the premises of the German Capital Region Berlin-Brandenburg's joint booth and included different international networking and matchmaking activities throughout the 14th of October.

Within the “Brandenburg-Day”, the Capital Region's Enterprise Europe Network consortium was lead organizer of an international matchmaking event, which was attended by around 30 companies, research organisations and business networks from 6 countries.

Attendees of the matchmaking event got the opportunity to meet, amongst others, leading companies of the German Capital Region's plastics and chemical industry including GKT Gummi- und Kunststofftechnik Fürstenwalde, Hesco Kunststoffverarbeitung or Gustav Scharnau GmbH. For more information about the federal state of Brandenburg's plastics and chemistry cluster, please visit [www.kunststoffe-chemie-brandenburg.de](http://www.kunststoffe-chemie-brandenburg.de).

Author: Christoph Kober



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### Meeting of the Sector Group Materials in Istanbul

The Sabanci University in Istanbul hosted on 21th of October the meeting of the Sector Group Materials of the Enterprise Europe Network. 23 members of the Network took part in the meeting, discussed collaborative opportunities and planned activities for the coming period.



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