



**European
Innovators**
Eine Initiative der NBank

NBank
Wir fördern Niedersachsen



Meet the European SME Instrument Champions

28 April, 2016, HANNOVER MESSE (Hall 2, Stand C04, Forum)

4:00 p.m. to 6:00 p.m.

Enterprise Europe Network in cooperation with the European Executive Agency for SMEs (EASME) organizes a dedicated pitching event for the most innovative SMEs coming from the EU Programme for Research and Innovation-Horizon 2020.

Under the Horizon 2020, the SME Instrument team will present you the "SME Instrument programme", will give you tips for successfully applying and will present you some very innovative SMEs, solutions and success commercial and investment stories.

Come to meet the SME Instrument Champions of HORIZON 2020 and get an inside view on their disrupting ideas and thematic approaches to face great societal challenges of the future. Investing on them could be a good deal as they already passed a hard competition and they may become the next innovation leaders!

You can ask them questions during the pitching or at the reception after the pitching at the European Innovators Lounge.

PROGRAMME

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| 4.00 p.m. | HORIZON 2020 – EU Research and Innovation Funding scheme
Dr. Piotr Swiatek, National Contact Point HORIZON 2020 |
| 4.15 p.m. | Helping the SMEs: Enterprise Europe Network services within HORIZON 2020
Ulrich Dammeyer, EEN/ NBank |
| 4.25 p.m. | SME Instrument in HORIZON 2020 and its targeted services for its Champions
Vanessa Ricci and Anna Bulzacka-Bogucka, EASME – Executive Agency for SMEs |
| 4.35 p.m. | Pitching of the SME Instrument Champions (list see below) |
| 5.35 p.m. | European Innovators Lounge - networking event |

MEET THE FOLLOWING H2020 CHAMPIONS



GEM Motors is a young, fast growing company, specialized in electric motor development and production. The company was founded in 2010 and currently has 12 Employees. In December 2015, GEM Motors is preparing the market entry of its highly innovative technology within the EU FTI pilot program. The company develops motors for commercial partners in India. More info at www.gemmotors.si



Since its foundation in 2006 **S&C** has developed its IoT platform, a complete end-to-end solution that easily integrates with existing systems and products from multiple industries. It connects to any device including sensors, actuators, appliances, meters, wearables, smartphones, home products and cameras. We have customized the platform in different sectors including energy, security, healthcare, appliance manufacturers, and Smart Cities. We launched enControl™ as a Smart Home solution for consumers integrating energy management, comfort, security and control features. Enhanced behavioral analytics and user engagement functions complement the connected home anywhere and anytime. More info at www.sensingcontrol.com



Promeos GmbH is a global technology leader for small series product solutions, enabling the transformation of gaseous fuels into high quality clean and efficient heat for industrial process heat purposes. By applying promeos' solutions to their processes, industrial customers save 25+% on energy, but even more by the increase in their production capacity. promeos' installations are running for more than 10 years all over the world in nearly all industry sectors. promeos markets an in-house developed new burner concept to burn gases with a H₂ content from 60 to 100%. Mobile applications are a major target market for these solutions. promeos was founded in the year 2003 and seed funded by VCs. More info at www.promeos.com

RHP-Technology is a solution provider in powder technology. RHP develops and manufactures customized metallic, ceramic or composite parts according to the requirement of the customer. In addition the company develops and assesses new manufacturing techniques. Ongoing development is focusing on a "Machine for Multi-Material Manufacturing". The "4M" additive manufacturing allows to manufacture X-Large Parts from Metal and Multi- Materials relevant for various applications. More info at www.rhp-technology.com

Bepart BV is a small R&D company that specializes in developing and manufacturing small steam turbines. It was established in 2008 by a graduate engineer in electrical science with an added

passion for steam technology. Our current range exists of turbines with an output of 1.4 kW and 15 kW. Further, Bepart BV is developing a complete 'plug-and-play' waste heat recovery system for the shipping and bio digester market. The turbines are being sold through daughter company; Green Turbine BV. The most recent development, the 15 kW Green Turbine™, has been for sale since September 2014. Patent for most countries is pending (PCT application). Since 2014 the company has partnered up with AE Group whose expertise in (among others) the generator business has resulted in even more efficient products. GREEN TURBINE™ is represented in the USA and Canada by NextGrid Inc™. NextGrid Inc™ is the exclusive North American license holder of the Green Turbine. NextGrid Inc™ develops leading edge alternative energy products for commercial and residential heating and electrical power applications. GREEN TURBINE™ is headquartered in the Netherlands. More info at www.greenturbine.eu

Is TECH started operations on Sept 2011 by a group of experienced managers and scientists. Its activity is focused on the innovative disruptive technology APA (Air Pollution Abatement), a filter-less ambient air cleaning system able to monitor and abate a wide range of pollutants at ground level. APA is a Best Available Technology which eliminates PM, PAH, light hydrocarbons, pollens/spores, NOx, SOx and CO, both indoor and outdoor, in workplaces, industrial sites and urban areas. The APA Platform permits to implement the "Clean Air City" model, which led, since 2011, the winning of several national/EU projects, grants and awards. More info at www.istechpot.com



YDR Technology is developing a disruptive innovation in liquid detergent industry. Instead of sending end-product of liquid detergents which consists high level of (85-95%) water, we will produce and send ultra-high concentrated detergent extracts to retail points and then mini machines will dilute and prepare end-products at situ. Savings are; production process 20% less carbon emission, 70% less transport, 50% less warehouse need, 20% less end-user price or higher profit margin. More info at www.ydrtech.com

Regarding the WIND ENERGY Sector, we at **STRUCTURAL RESEARCH, S.L.** have developed (conceived, designed, and calculated) and patented a new construction methodology named "AIRCANE SYSTEM", basically supported by two CRANES: Now we are able to construct the tallest towers on the market, for any "nacelle" size/weight (MW power turbine) and any blade length, all of them at a reduced price comparing current solutions. The first crane is the "SELF-CLIMBING AIRCRANE": To reach functional buildings at the enormous heights of skyscrapers, it was necessary to invent new machinery. One of which was a kind of crane able to climb at the same time as the building structure. Inspired in that idea, we have designed a disruptive innovation. It is an internal self-climbing crane, which uses a telescopic movement to advance

vertically. It is the main tool in our construction process of the highest "full concrete" towers. It means the tower must be made only with pre-stressed concrete (Precast or poured "On Site"), or with the concrete piece in "hybrid"-tower designs. The second crane is the "LIFTING AICRANE": If you so desire there is a second stage in which they will dismantle the first crane, and then we will lift and assemble the nacelle and blades. Currently we are looking for funds to manufacture the first unit of both cranes, and test and demonstration to potential customer. More info at www.strucres.com

Aqua Solutions developed a dishwashing apparatus and a methodology are provided for washing dishware using electrolyzed water to provide alkaline and acidic water for wash and rinse cycles. The water used at the beginning of a pre-wash stage is repeatedly used in plural pre-wash cycles and filtered through sediment and oil filtration between pre-wash cycles. Water from a final rinse cycle is saved for use for future pre-wash cycles. The sediment and oil filtration filter are reversely flushed to regenerate the filtration systems. More specifically, the present subject matter relates to dishwashers and methods for operating such with reduced water and energy consumption and without requiring the use of detergent. A full-scale eco-dishwasher unit constructed in accordance with present technology is designed to operate using only approximately 3.6 gallons of water, approximately 0.94 kWh of electrical energy, and no detergent consumption. These values are not, however, limitations of the invention. More info at www.aquasolutions.co.il



CalBatt is an Italian SME which has developed a superior worldwide patented technology for perfect energy storage management. Our supremacy in developing innovative storage controllers makes CalBatt the best solution partner to maximize the profitability of energy storage systems, by achieving maximum battery life and efficiency also in the case of mixed battery technologies. CalBatt solutions have been validated by Enel S.p.a, showing an energy saving of up to 15% compared to traditional storage management systems. After a series of international recognitions, CalBatt has been granted among the SME Instrument Champions "with the most innovative ideas in the world". More info at www.calbatt.com

M2MCF (nexiona) is a passionate company born in Barcelona and dedicated to the creation of IoT Technology, offering a Software Composer to developers and customized solutions to manufacturers. Our principal IoT Solution is called: MIIMETIQ, One-Stop, simple to use IoT Composer for any combination of market vertical and system size. No need to deal with a variety of different solutions and suppliers. More info at www.nexiona.com

Gigigo is a scale up SME with a team of more than 100 digital experts and offices in Madrid (HQ), Mexico DF and Sao Paulo. Gigigo is an end to end mobile digital agency covering from strategy and consultancy services to creation of tailor-made services for big corporations, covering from UX/UI, Development (FrontEnd & BackEnd) and infrastructure. Additionally, Gigigo has also developed several Products, such as Orchextra within the SME Instrument Programme. Orchextra is a SaaS Inbound Mobile Marketing Platform. More info at www.gigigo.com



Dyadic's software technology solves the inherent single point of failure in all of today's security systems. Strong cryptographic solutions exist for protecting data, securing web traffic, authenticating users, and so on. However, they all rely on the secret key and authentication credentials (e.g., passwords) remaining secret. In today's reality, where hackers get past firewalls and penetrate deep into networks, these keys and credentials are stolen thereby rendering all cryptographic protection useless. Dyadic's DSM randomly splits keys and credentials across servers so that they are never in any single place to be stolen, even when they are used in computations. The advanced protocols used in the DSM ensure that even if all but one of the servers are breached and completely controlled by an attacker, the secrets and credentials cannot be stolen. The result is that digital assets remain safe, even when all else has failed. More info at www.dyadicsec.com

CONTACT

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Updated information about the event can be found here:

<https://www.b2match.eu/technologycooperationdays/pages/framework-program>

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