

**Press release****German technology ranks high in Las Vegas**Start-up tacterion presents PLYON™ interface solutions at CESLas Vegas / Munich, January 10<sup>th</sup>, 2018

The Bavarian high-tech startup tacterion presents a unique stretchable sensor product line for intuitive interfaces called PLYON™. Based on its sensorskin™ technology tacterion built the new product bundle which integrates the two product lines of conductive and resistive sensors offering touch and pressure sensitivity in one layer. Attendees of the CES can experience the brand-new sensor technology at Eureka Park booth 51303-04.

**Sensor technology recombined: tacterion presents PLYON™**

PLYON™ unifies the ability to react to proximity, touch and pressure – all in one. This allows product designers to integrate the sensors seamlessly and offers greater variety of functions whilst saving space. Due to this combination tacterions team of engineers, designers and IT specialists accomplished to solve a challenge most sensors and technologies on the market face so far. PLYON™ interface solutions have a very new momentum – measuring human interaction from or even before the first gentle touch while being able to cope with huge pressure without breaking.

**Expect a new way of designing products**

tacterions sensor experience kit for B2B customers contain a hybrid sensor, a tablet, a data sheet and a stretchable material sample. The perfect opportunity for designers to check technical possibilities in early phases of prototyping. PLYON™ supports the ideation process and makes it more efficient. In line with their fresh thinking this way of creating solutions is even part of the company culture as Dr. Michael Strohmayer, founder and CEO of tacterion explains:

*“Cultivate Ingenuity is one of tacterions principles, which we try to pass on, not only within our company, but also to our external partners. PLYON™ interface solutions are the perfect opportunity for all people involved, to experiment in which way our sensors would fit into their products. This sort of freedom is important to let great minds form our future groundbreaking innovations.”*

**Shy Technology and Industry 4.0 are not future dreams anymore**

The PLYON™ interfaces powered by tacterion sensorskin™ technology consists of several ultrathin layers integrating the measurement of force and proximity while being soft, flexible and highly resistant. With all these functions, the special polymer based material is over 50 percent stretchable and only two millimeters thick. The combination of all these characteristics enables our corporate partners to solve problems, way beyond sole human-object interaction. As the paradigm of Shy Technology prognoses, the technology

inside the product becomes “shy” so the user will not even notice it directly. Advanced data analytics further open new possibilities for predictive maintenance and bring us one step closer to Industry 4.0.

#### **About CES**

From the 9<sup>th</sup> – 12<sup>th</sup> of January 2018, CES will constitute a platform for the greatest minds in product categories such as 3D Printing, Gaming & Virtual Reality, Health & Wellness, Robotics, Vehicle Technology, Wearables and much more. 180,000 industry professionals from all over the world will take part at this year’s show in Las Vegas. CES will host 4,000 exhibiting companies, amongst them 600 startups.

#### **About tacterion**

tacterion is a high-tech sensor company based in Munich/Germany. The startup was founded in 2015 as a spin-off of the German Aerospace Center (DLR). tacterion develops and markets the unique sensor platform called PLYON™. PLYON™ is a highly flexible sensory layer that measures interaction and pressure on any surface. The company was selected as one of the top 3 IoT startups in Germany in Bitkom’s Innovator’s Pitch competition 2015. tacterion closed an 8-digit funding round in mid-2016. tacterion is winner of the Forbes Start-up Challenge 2017.

#### **About the founders**

##### **Michael Strohmayer**

Dr.-Ing. Michael Strohmayer is CEO/CTO of tacterion. He invented and developed the basis for tacterions PLYON™ products at the Robotics and Mechatronics Center of the German Aerospace Center (DLR). He studied Mechatronics at the University of Applied Sciences in Augsburg and Biomedical Engineering at the Technical University of Munich. He did his Ph.D. in Robotics at the Institute for Intelligent Process Control and Robotics (IPR) of the Karlsruhe Institute of Technology (KIT) and at DLR.

##### **Daniel Strohmayer**

Daniel is Co-CEO of tacterion. He studied Business Administration and Innovation Management in Germany, the U.S. & Portugal. In addition, he graduated from the Technology Management Honors Degree program of Munich’s Center for Digital Technology and Management (CDTM). During and after his studies he worked for two years at the Fraunhofer Society Headquarters’ Technology Management and supported potential spin-off teams with business development. In 2014 he joined a strategic consultancy specialized on family companies to work on building up the new “Innovation & New Business” department. Since mid-2015 Daniel is working full time for tacterion.

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