



# LOCALITE

## Axilum Robotics and Localite announce the installation of a new robotic system for Transcranial Magnetic Stimulation in Copenhagen, Denmark

Strasbourg and Sankt Augustin, December 9th, 2015 - Axilum Robotics, specializing in the development of medical robots and Localite, specializing in medical navigation and planning systems, today announced the installation of a robotized system for image-guided Transcranial Magnetic Stimulation (TMS) at the Danish Research Centre for Magnetic Resonance, Copenhagen University Hospital Hvidovre, Denmark.

The Danish Research Centre for Magnetic Resonance (DRCMR), headed by Pr. Hartwig Siebner, is one of the leading research centres in Europe within the field of biomedical MRI. A highly profiled international research team translates the latest advances in MRI to examine the brain's function, metabolism and structure. The Centre has developed a strong expertise in TMS and is organizing each year workshops to educate researchers from all over the world to this innovative technique.



Hvidovre  
Hospital



TMS applications are numerous, ranging from neuroscience research to the treatment of neurological or psychiatric diseases resistant to drug treatments, which are the subject of increasing clinical investigations.

Axilum Robotics TMS-Robot is the first and only robot developed specifically for TMS. The hemispherical architecture of its arm is patented. It is intended to safely automate and improve the accuracy and repeatability of this non-invasive and painless brain stimulation technique, which is usually implemented manually.

Localite TMS Navigator is a navigation system for transcranial magnetic stimulation. The Robotic Edition is highly integrated with both Axilum robot and stimulator allowing for complex stimulation patterns while ensuring highest accuracy - even if the patient is moving.

"Our team is proud about the choice of our technology by this worldwide leading research centre in neurosciences" explains Michel Berg, CEO of Axilum Robotics. "We are convinced that this robotized system build in partnership with our partners from Localite and MagVenture, will help the team to implement innovative TMS protocols"

"The intrinsically safe Axilum robot is a perfect match to our TMS Navigator. The combination with the MagVenture stimulator fits into our strategy to deliver highly versatile solutions to leading brain researchers. It also paves the road to future innovative products in the field of depression treatment.", said Sven Arnold, managing director of Localite.

### About Axilum-Robotics

Axilum Robotics is a spin-off from the ICubeMedical Robotics team and has been founded in 2011. Based on an ICube proof of concept, the company has developed and commercializes the first robot specifically designed for Transcranial Magnetic Stimulation (TMS). In a fast-growing market, Axilum Robotics' ambition is to become the global leader in robotic solutions for TMS. Axilum Robotics is ISO 13485 certified for its Quality Management System since 2013, has received CE mark and Health Canada licence for TMS-Robot in 2013 and benefits from an exclusive patent license agreement (US 8,303,478 ; Ca 2,655,433). Eight centers have already been equipped with Axilum Robotics' TMS-Robot.

<http://www.axilumrobotics.com> - email : [info@axilumrobotics.com](mailto:info@axilumrobotics.com)

### About Localite

Localite creates unique medical navigation systems for research and therapy. The company was founded in 1999 as a result of a prize winning human computer interaction project of today's Fraunhofer Institute for Applied Information Technology. Since then usability has been a primary requirement of product development. Today, Localite's products are the first choice for leading researchers around the world. Localite maintains a certified quality management according to ISO 13485 and is a dynamic industrial partner in projects promoted by the Federal Ministry of Education and Research and the Federal Ministry for Economic Affairs and Energy.

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