



Axilum Robotics announces Health Canada licence for TMS-Robot, the world's first robot developed specifically for Transcranial Magnetic Stimulation (TMS)

February 4th 2014, Strasbourg (France) – Medical robotics specialist Axilum Robotics announces Health Canada licence for TMS-Robot, its Transcranial Magnetic Stimulation assistance robot. This licence certifies that this class 2 device complies with the requirements of the Canadian Medical Device Regulations.

There is a growing range of applications for TMS, from neuroscience research to the treatment of neurological and psychiatric disorders such as drug-resistant major depression. TMS has already been approved for the latter in a number of countries and now qualifies for health insurance refunds in the United States.

Axilum Robotics TMS-Robot has been developed specifically for TMS and includes a unique, patented hemispheric arm architecture. It is intended to automate this non-invasive, painless brain stimulation technique, currently implemented manually, with a high level of safety and with improved accuracy and repeatability.

"Our team is proud of this new achievement which is following the CE mark, received in 2013" comments Michel Berg, President and CEO of Axilum Robotics.

"This allows us to market the robot in Canada, which recognizes TMS since 2001."

"The next step is now to get FDA clearance in the USA for our robot."

About Axilum Robotics

Axilum Robotics is a spin-off from the ICube¹ Medical Robotics team and has been founded in 2011 by three research professors, Michel de Mathelin, Bernard Bayle and Pierre Renaud, alongside two engineers with PhD in robotics, Benjamin Maurin and Romuald Ginhoux, and Michel Berg, a medical doctor with a degree from HEC business school.

Based on an ICube proof of concept, the company developed a TMS assistance robot with a view to its commercialization. In a fast-growing market, Axilum Robotics' ambition is to become the global leader in robots for TMS.

Two initial TMS centres, Prof. Haffen's Department of Psychiatry at the Besançon University Hospital, France, and Dr. David's team at the Institute of Neurosciences in Grenoble, France, have recently been equipped with Axilum Robotics' robot.

Axilum Robotics is leading a consortium including ICube Laboratory and Streb & Weil Company. TMS-Robot project has been certified by Alsace Biovalley life science cluster and has been funded by French Interministerial Unique Fund (FUI), Oséo, Alsace Region, Urban Community of Strasbourg (CuS) and the European Regional Development Fund (ERDF).

End of 2012, Inserm Transfert Initiative, together with scientist and entrepreneur Jacques Lewiner and SODIV Alsace, have jointly invested in Axilum Robotics project.

Axilum Robotics is ISO 13485 certified for its Quality Management System since 2013, has received CE mark for TMS-Robot in August 2013 and benefits from an exclusive patent license agreement (US 8,303,478)

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¹ ICube: Laboratoire des Sciences de l'Ingénieur, de l'Informatique et de l'Imagerie (Laboratory for engineering, computer science and imaging), headed by Michel de Mathelin.