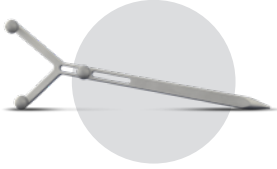
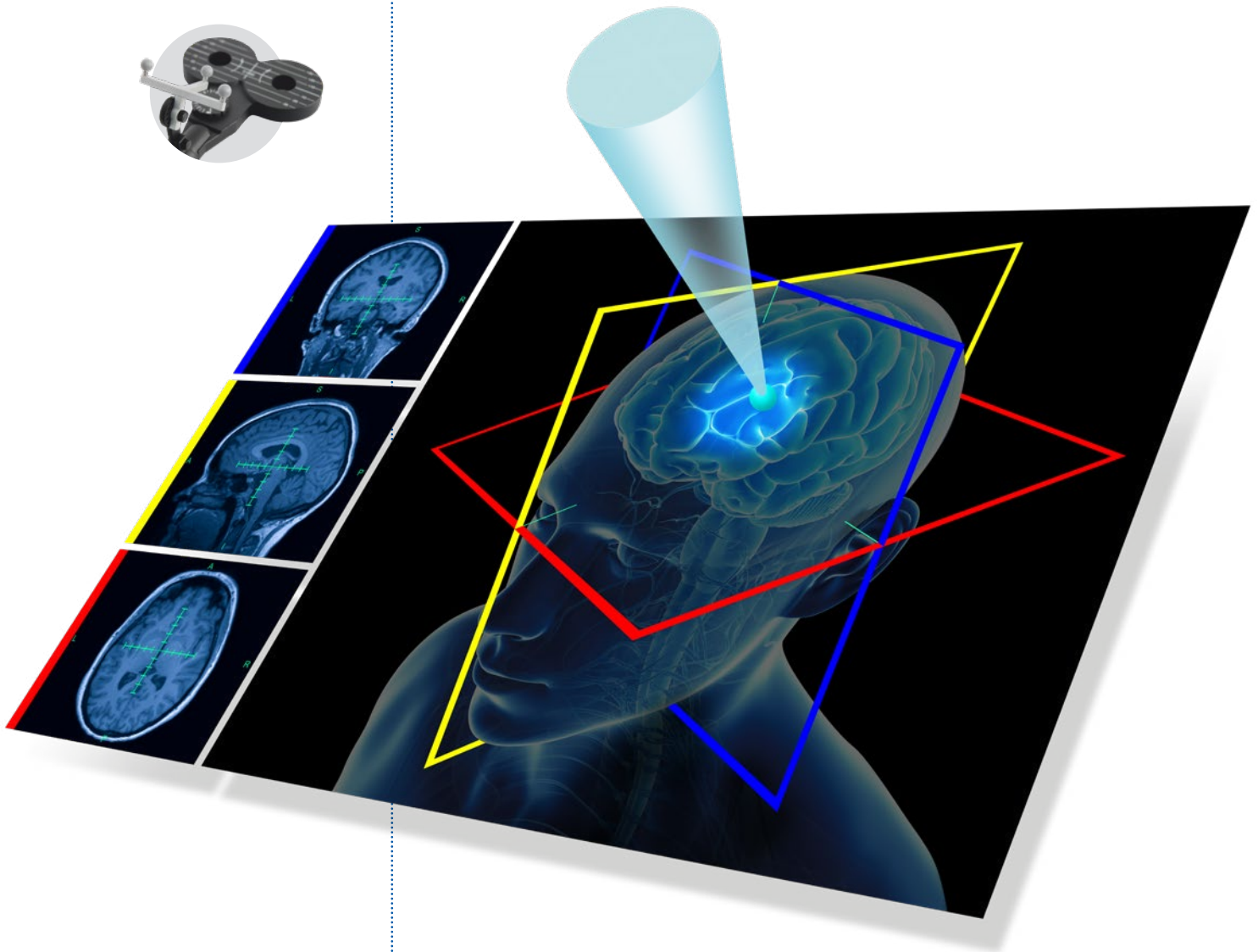


TMS NAVIGATOR **TS**

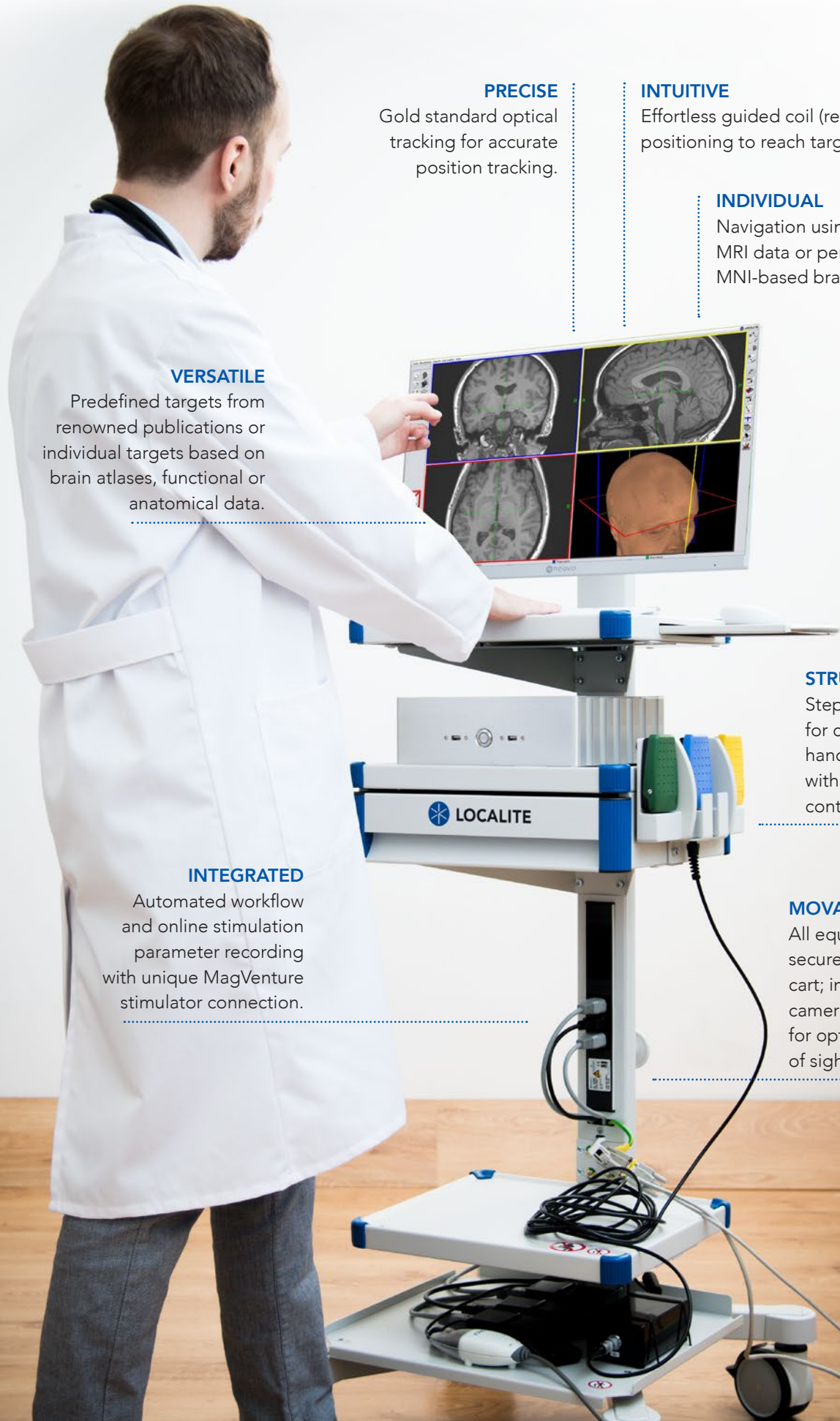
IMAGE-BASED
NAVIGATION
FOR TMS



TARGET REACHED.
TREATMENT
ACCOMPLISHED.



EFFORTLESS TREATMENT WITH OR WITHOUT MRI



PRECISE

Gold standard optical tracking for accurate position tracking.

INTUITIVE

Effortless guided coil (re-) positioning to reach targets.

INDIVIDUAL

Navigation using individual MRI data or personalized MNI-based brain.

VERSATILE

Predefined targets from renowned publications or individual targets based on brain atlases, functional or anatomical data.

STRUCTURED

Step-by-step wizards for core functions; hands-free operation with foot switch control.

INTEGRATED

Automated workflow and online stimulation parameter recording with unique MagVenture stimulator connection.

MOVABLE

All equipment securely stored on cart; independent camera positioning for optimal line of sight.



INCREASE YOUR EFFICIENCY



Initial session

STREAMLINED PROCEDURES AND GUIDED WORKFLOWS

Introducing the FDA-cleared TMS Navigator TS by Localite - your ideal solution for implementing customized transcranial magnetic stimulation (TMS) treatment plans. Our system is user-friendly and fully compatible with FDA-cleared TMS stimulators and coils by MagVenture.*

ACCURACY YOU CAN TRUST

Our gold standard optical tracking technology, trusted in many advanced applications, offers exceptional accuracy for TMS navigation. Select from two different tracking camera sizes to fit your treatment environment seamlessly.

TAILORED TO INDIVIDUAL NEEDS

Each brain is unique, and TMS Navigator TS embraces this diversity with personalized treatment planning based on individual MRI datasets. In the absence of patient MRI data, our system utilizes an averaged brain (MNI) model, transforming it to match the patient's anatomy for precise, customized navigation.

LOCALITE



Neuronavigation systems integrating the individual MRI data of the patients allow TMS targeting to be more precise by taking into account the variability of brain anatomy. The use of a frameless stereotaxic system dedicated to rTMS is the best way to ensure the accuracy of coil placement and to improve technical reliability and comparability in rTMS practice. It should enhance the efficiency of rTMS therapy in clinical setting.

Comparison of "standard" and "navigated" procedures of TMS coil positioning over motor, premotor and prefrontal targets in patients with chronic pain and depression, Ahdab et al, Clinical Neurophysiology, 2010



Localite has proven to be an excellent partner in the field of navigated transcranial magnetic stimulation. Their dedication to quality and accuracy is of highest importance for precise and individualized brain stimulation. Our research combines various state-of-the-art brain stimulation and mapping approaches. Localite has been very supportive over the years, accommodating their products to our unique needs.

Prof. Hartwig R. Siebner
Director, Danish Research Centre for Magnetic Resonance, Copenhagen University Hospital Hvidovre

EMPOWERING RESEARCH & ADVANCING PATIENT CARE

At Localite we are committed to fostering innovation and supporting researchers worldwide. Our navigation systems are trusted by leading scientists exploring the brain and uncovering groundbreaking insights. We take pride in transforming these discoveries into practical solutions that enhance patient care and advance the field of navigated TMS.



Reliable neuronavigation of the TMS coil, preferably based on individual MRI scans, is a key requirement for state-of-the-art therapeutic approaches. The possibility to further account for functional brain imaging information and personalized electric field simulations brings targeting accuracy to the next level.

Prof. Dr. Til Ole Bergmann
Deputy Head, NeuroImaging Center (NIC),
Johannes-Gutenberg University Medical Center

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Germany

Localite GmbH maintains a certified quality management system according to EN ISO 13485.

www.localite.de



A crucial issue for the correct use of TMS is the accuracy of coil placement on a given region of the scalp [...]. Generally, to correctly position the coil on the scalp area overlying a given cortical site, it is recommended to use online stereotaxic neuro-navigation systems.

Transcranial magnetic stimulation in basic and clinical neuroscience: A comprehensive review of fundamental principles and novel insights, Valero-Cabré et al., Neuroscience and Biobehavioral Reviews, 2017

* The TMS Navigator TS helps users to plan, implement and document treatment involving TMS of the brain. The system provides planning and navigation functions using anatomical MR data. Regions of the brain to be stimulated can be determined on the basis of anatomy, functional areas or by entering previously calculated coordinates from brain atlases. The product is intended for use with the MagVenture therapy systems supplied by Tonica Elektronik A/S (Farum, Denmark), more precisely the R20 and R30 stimulators, the R30 TMS stimulator with MagOption, the X100 stimulator and the X100 stimulator with MagOption only with following magnetic coils: C-100, C-B60, Cool-B65, Cool-B70, Cool D-B80, MC-125, MC-B70, MCF-75, MCF-125, MCF-B65 and MMC-140-II.

In the EU, TMS Navigator products and accessories are CE marked medical devices.

