

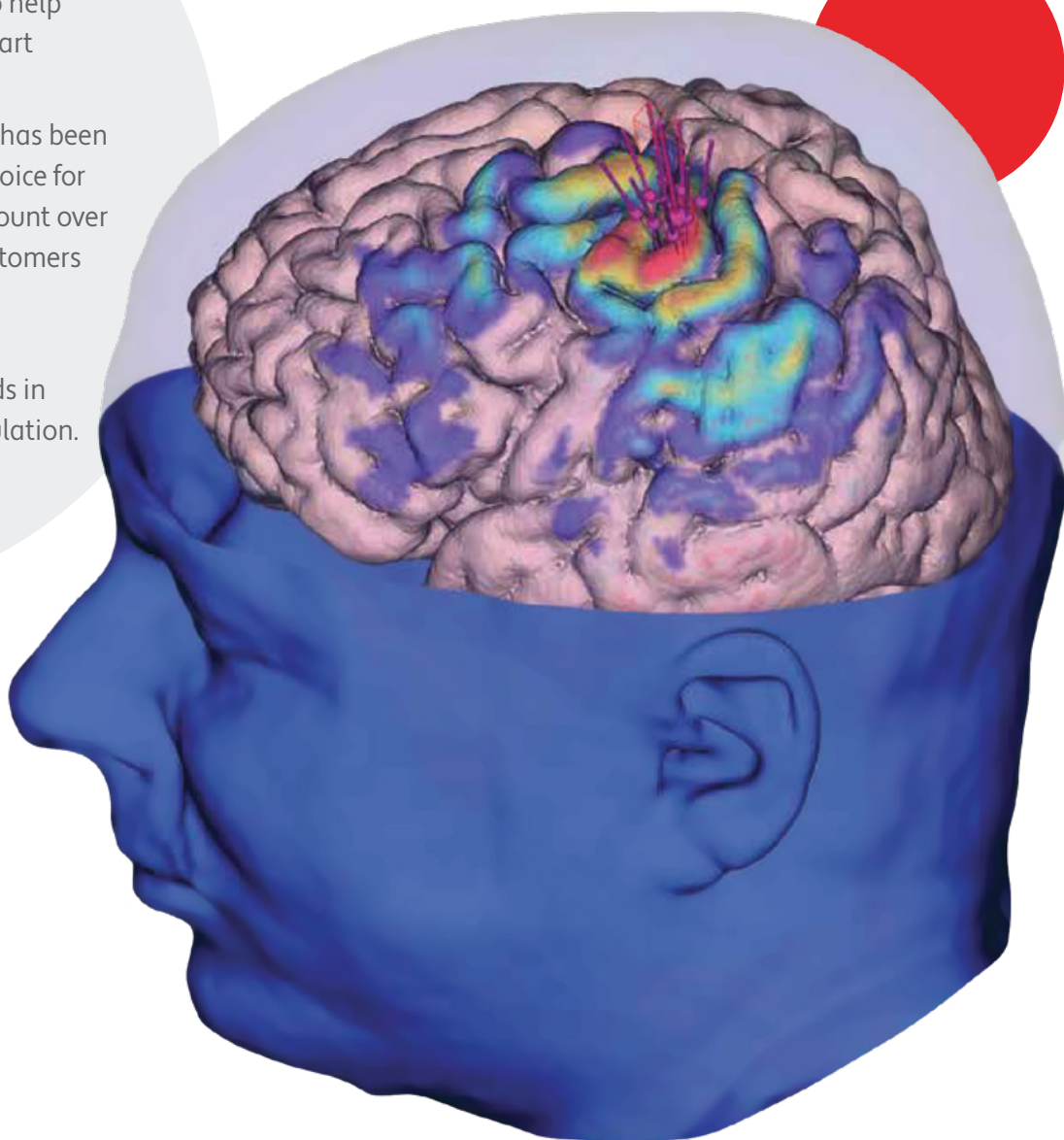
Brainsight®

TMS

For two decades, Rogue Research Inc. has worked alongside neuroscientists from around the world to help advance the state of the art in neuroscience.

For 20 years, Brainsight® has been the neuronavigator of choice for image-guided TMS. We count over 500 TMS users as our customers around the world.

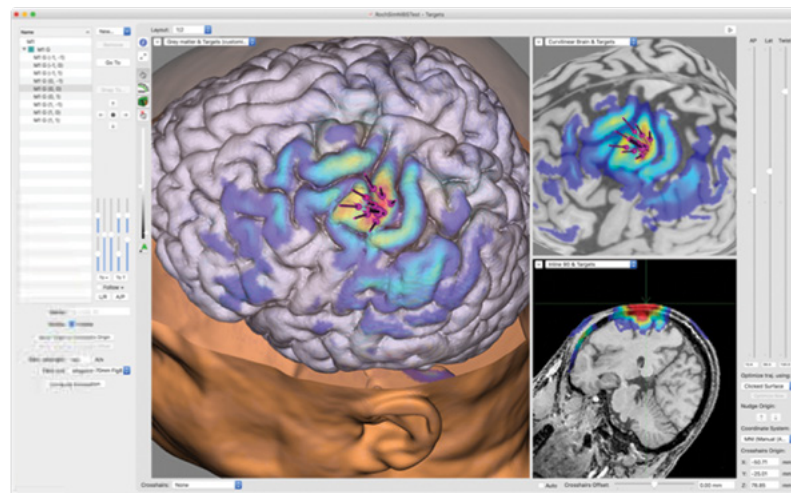
Brainsight® continues to evolve to meet your needs in non-invasive brain stimulation.



Rogue Research Inc.

Brainsight®

THE NEUROSCIENCE HUB



• Latest Update:

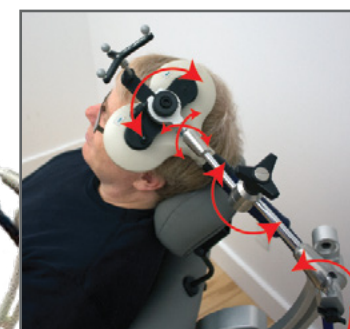
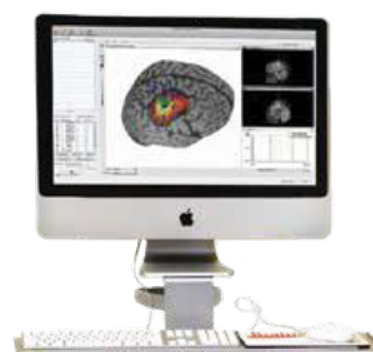
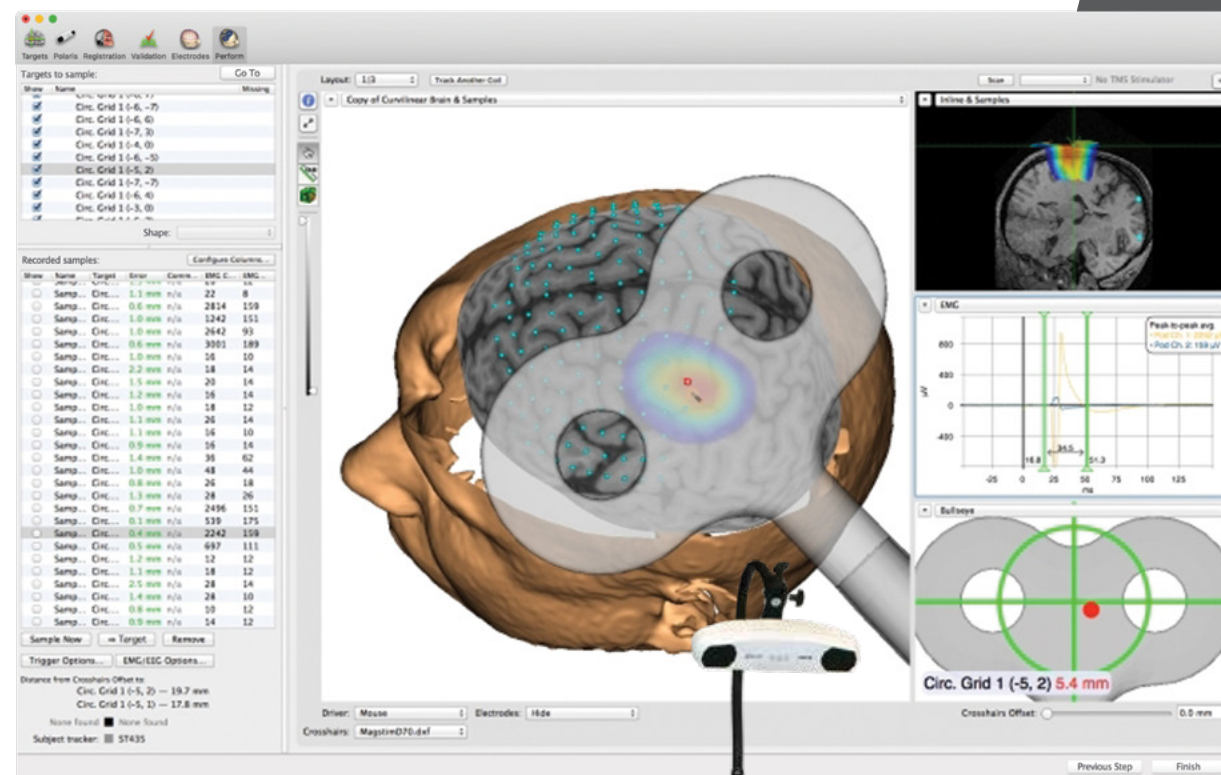
Added support for the SimNIBS current modelling software.
Use SimNIBS in your current Brainsight® workflow to add realistic E-field modelling to your target selection process.

Brainsight® for TMS

- Works with any coil from any manufacturer
- Flexible, easy coil calibration
- Define target based on anatomy, MNI or Talairach coordinates, MRI overlay, previous TMS session
- Use SimNIBS current modelling to optimize coil placement to your target
- Links to TMS device via TTL trigger and serial port
- Integrated 2-channel EMG for mapping studies
- For each TMS pulse, Brainsight™ can record:
 - coil position and orientation
 - coil status (on supported TMS models)
 - intended target
 - positioning error
 - distance to target
 - EMG response
 - EEG response (when using NEUROPRAX EEG)
 - NIRS optode locations

Flexible Subject Chair

- Reclined and Upright
- Unique Coil Arm
- Less Intrusive
- Preserves field of view



Brainsight® NIBS Robot Integration

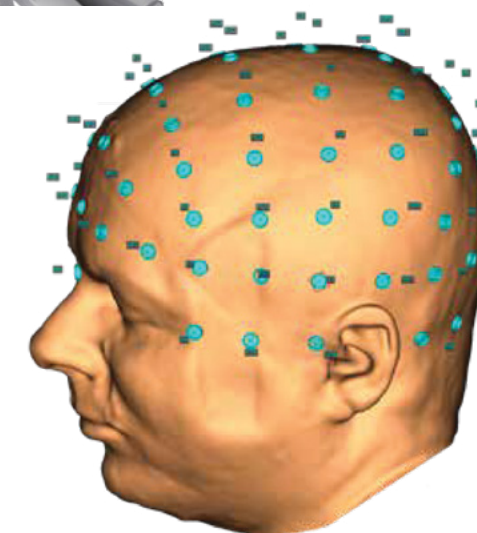
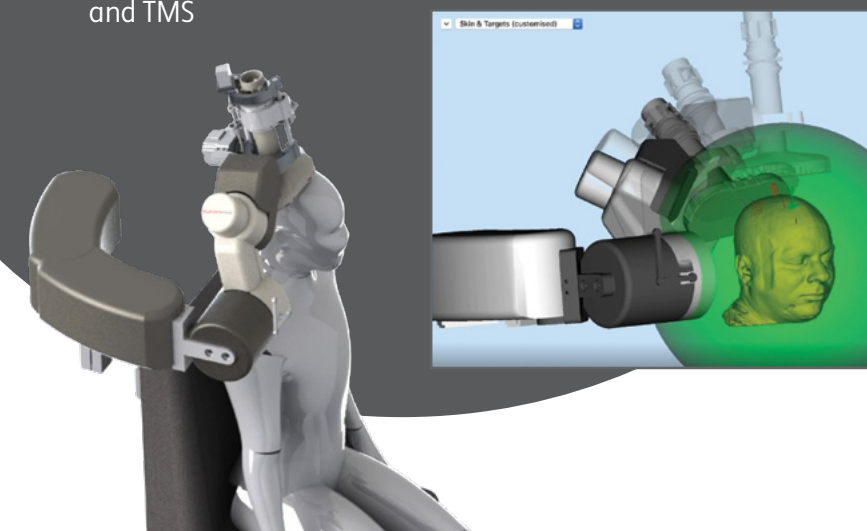
Robotic Neuronavigation for non-invasive brain stimulation

Design Goals:

- Fast setup, soft head contact, inherently safe
- Flexible reachability. Automated procedures

Clean-sheet design:

- Robot friendly TMS coil
- Control of design of all components
- Purpose designed robotic arm
- Seamless integration. Single UI for navigator, robot and TMS

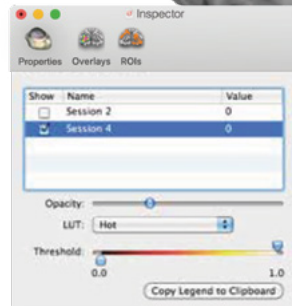


EEG Integration

- Store Montages for EEG, NIRS or Combination
- Use Brainsight® to ensure correct placement and to record EEG electrode locations
- Export EEG data and electrode locations for Analysis

Brainsight® Features

- Integration with Brainsight® NIRS and EEG electrode recording
- Integrated 2-channel EMG device
- Live EMG display
- NIRS and EEG cap manager
- Improved grid mapping tool
- Integration with SimNIBS for realistic induced current modelling
- Support for Axilum TMS Robots
- Easy to use coil-specific calibration adapters
- Optional subject chair
- Added support SimNIBS



ROBOTICS

We are collaborating with Axilum Robotics to combine Brainsight® and their robotic TMS holder. The result offers exciting possibilities for automated TMS applications including motor mapping, automatic coil placement and motion head correction for longer TMS sessions.



ELEVATE TMS

Recently, we have developed our own TMS device, called ElevateTMS™. ElevateTMS™ has the ability to generate new pulse waveforms with variable pulse width, individual phase control and directionality. Based on technology referred to as cTMS, ElevateTMS™ can output monophasic, biphasic, triphasic, quadripulse as well as rTMS with many unidirectional pulse shapes that open up new areas of research in magnetic stimulation.



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