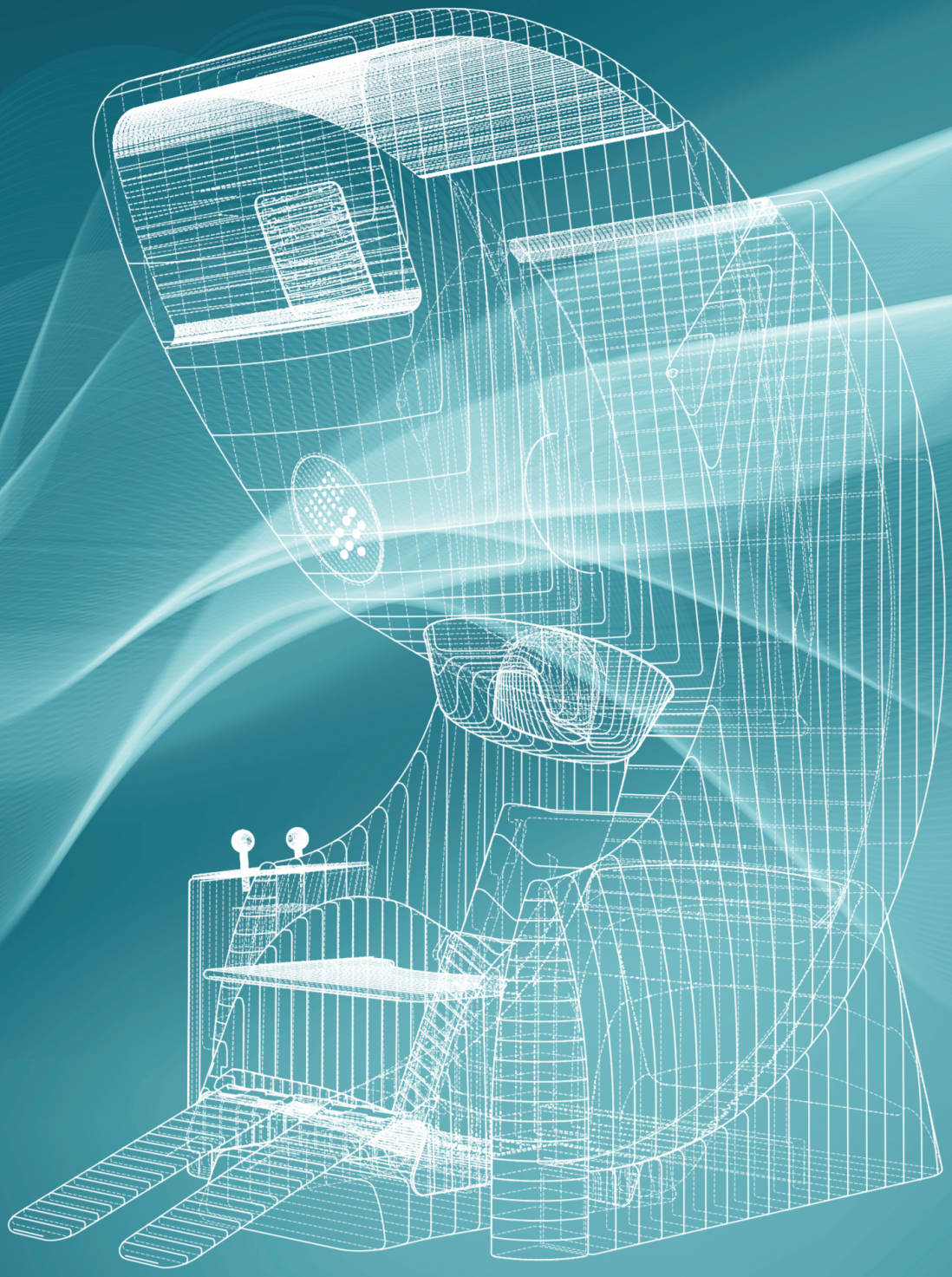
Mastering the TRIUX™ neo

Customer training program

Providing a customer-centric training program for building skills and confidence in MEG



MEGIN

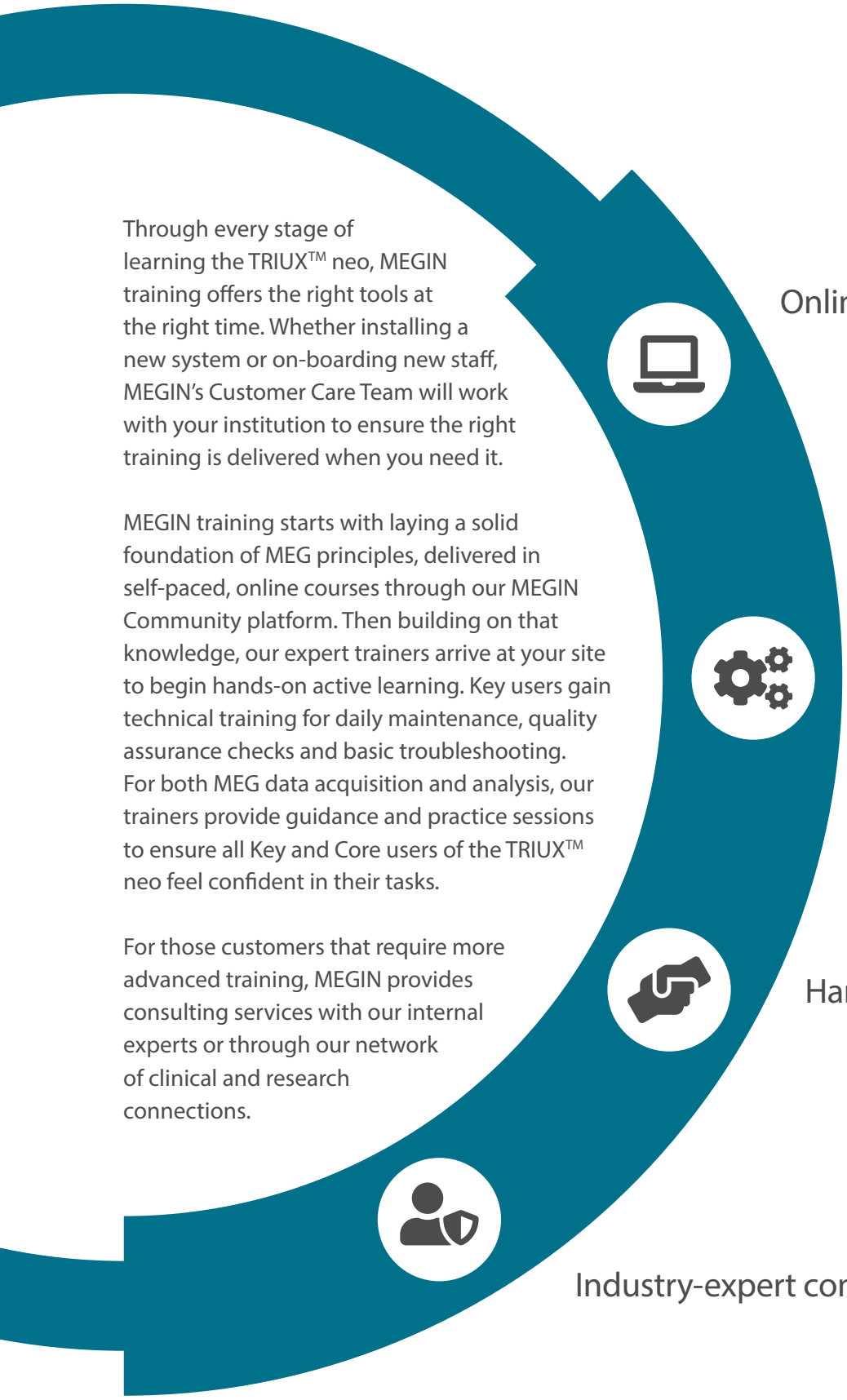
Training Schemes

A full range of training products to help users successfully carry out their tasks in the MEG program

Through every stage of learning the TRIUX™ neo, MEGIN training offers the right tools at the right time. Whether installing a new system or on-boarding new staff, MEGIN's Customer Care Team will work with your institution to ensure the right training is delivered when you need it.

MEGIN training starts with laying a solid foundation of MEG principles, delivered in self-paced, online courses through our MEGIN Community platform. Then building on that knowledge, our expert trainers arrive at your site to begin hands-on active learning. Key users gain technical training for daily maintenance, quality assurance checks and basic troubleshooting. For both MEG data acquisition and analysis, our trainers provide guidance and practice sessions to ensure all Key and Core users of the TRIUX™ neo feel confident in their tasks.

For those customers that require more advanced training, MEGIN provides consulting services with our internal experts or through our network of clinical and research connections.



Online courses

Technical Key User training

Hands-on Core User training

Industry-expert consultations

Overview of courses

Online courses

NM26295N

Introduction to Magnetoencephalography
An introduction to MEG, including how it fits into neuroimaging, signal generation, source imaging, functional mapping and interference suppression.

Duration:
2 hours, self-paced online modules

Prerequisites:
None

Target:
All MEG Users

NM26296N

Introduction to TRIUX™ neo
An introduction to the TRIUX neo, including an overview of the software suite, sensor and electronics technology, patient positioning and monitoring, safety and performance, maintenance and service, network and IT and the basics of the Internal Helium Recycler (IHR).

Duration:
3 hours, self-paced online modules

Prerequisites:
NM26295N

Target:
Key and Core Users

NM26297N

List of optional modules
An à la carte menu of supplemental modules for researchers and clinicians.

Duration:
2.5 hours, self-paced online modules

Prerequisites:
NM26295N and NM26296N

Target:
Key Users

Industry-expert consultations

NM26015N/NM26016N

TRIUX™ neo 3-day/5-day on-site consultation
Delivered by expert MEG consultants, for existing users, to further optimization of their MEG usage and applications. This is a tailored course with lectures and supervised hands-on sessions to match the interests of the varying specialties of attendees. This includes optimization of paradigm design for data acquisition and data analysis, physics and mathematical models as well as advanced methods for data analysis for clinical and/or research purposes.

Duration:
3 days or 5 days

Prerequisites:
NM26013N plus 6 months usage

Target:
Key and Core Users

Technical Key User training

NM26298N

TRIUX™ neo Key User Level I
Delivered at the customer site. The goal is for the key users to become familiar with all parts of the MEG system (train-the-trainer). Advanced topics and troubleshooting will be covered to ensure the Key User can perform quality maintenance of the system.

Duration:
5 days

Prerequisites:
NM26295N and NM26296N

Target:
Key Users

NM26300N

TRIUX™ neo Level II
This training is designed to be given 6-12 months post acceptance and is appropriate for Key Users, Researchers, Technologists, Engineers and other MEG users. Typically, this training will focus on quality control, advanced troubleshooting, special research topics and advanced data analysis.

Duration:
5 days

Prerequisites:
NM26298N or NM26299N or MEG experience

Target:
Key Users

NM26438N

TRIUX™ neo Delta-training
On-site, one-day internal helium recycler (IHR) training for existing MEG customers, who are upgrading their system to include an IHR.

Duration:
1 day

Prerequisites:
Existing MEGIN customer

Target:
Key Users

Hands-on Core User training

NM26299N

TRIUX™ neo Core User Level I
Delivered at the customer site. The goal is for Key Users and Core User to repeat the core tasks multiple times. The focus is to get the technologists, neurologists, etc. with hands-on repeats and feeling confident to perform MEG recording and processing on their own.

Duration:
5 days

Prerequisites:
NM26295N and NM26296N

Target:
Key and Core Users

NM26439N

TRIUX™ neo Upgrade Training
On-site, 3-day hands on training for existing customers that are upgrading their system to a TRIUX™ neo. This upgrade training includes the online courses.

Duration:
3 days

Prerequisites:
Existing MEG customer

Target:
Key and Core Users

Training timeline

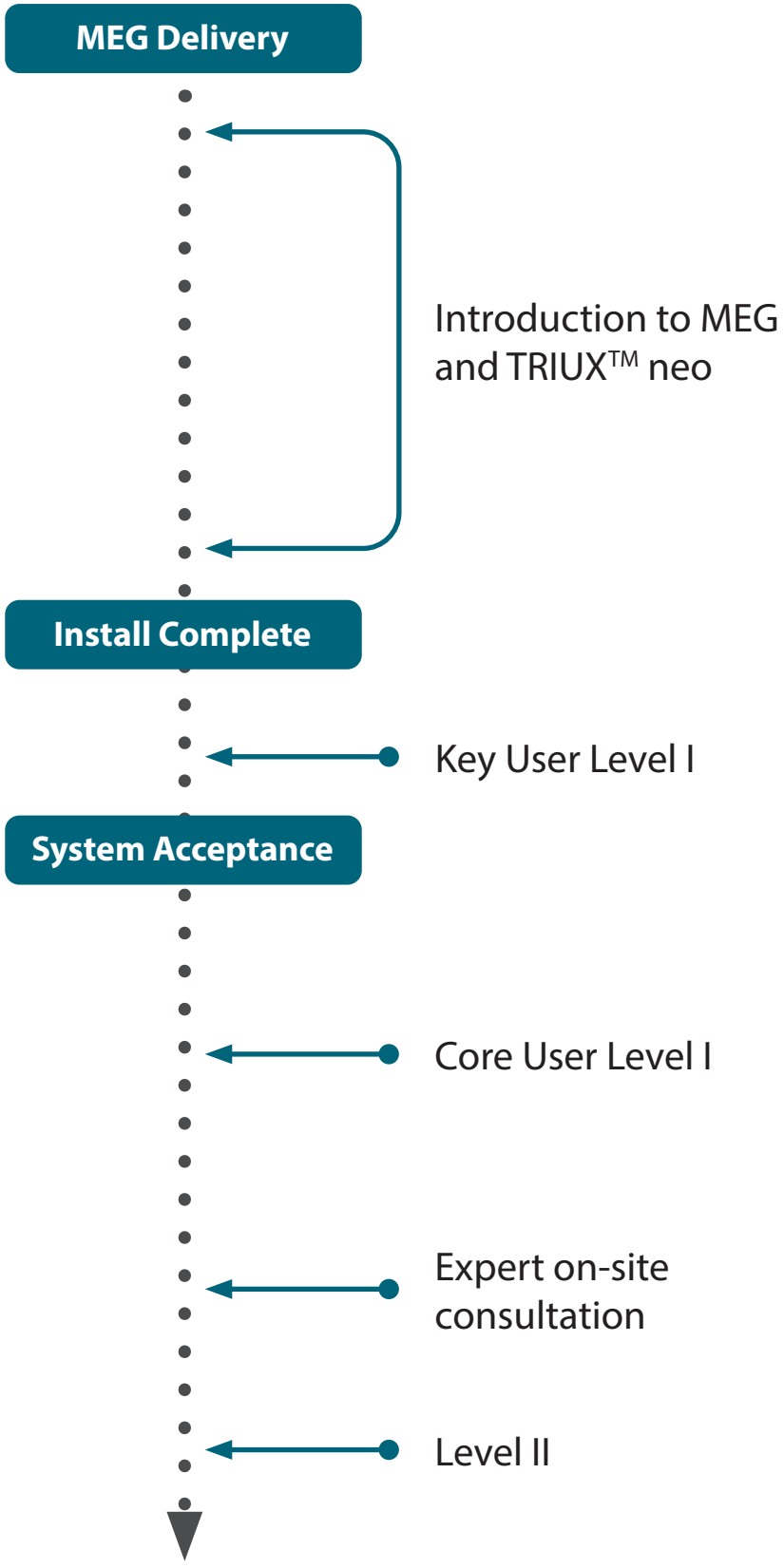
Recommended timeline for TRIUX™ neo Customer Training

Core User

- MEG Technologist
- Research Assistant or Investigator
- Neurologist / Neurosurgeon
- Radiologist

Key User

- MEG Engineer
- MEG IT/Network
- Research Director
- Advanced Technologist
- MEG Analyst



NM26295N

Introduction to Magnetoencephalography

Course description

An introduction to MEG, including how it fits into neuroimaging, signal generation, source imaging, functional mapping and interference suppression.

Modules

- MEG in neuroimaging
- MEG signal generation
- Brain responses measured by MEG
- Magnetic interference and artifacts in MEG
- Magnetic source imaging
- MEG examples

Duration

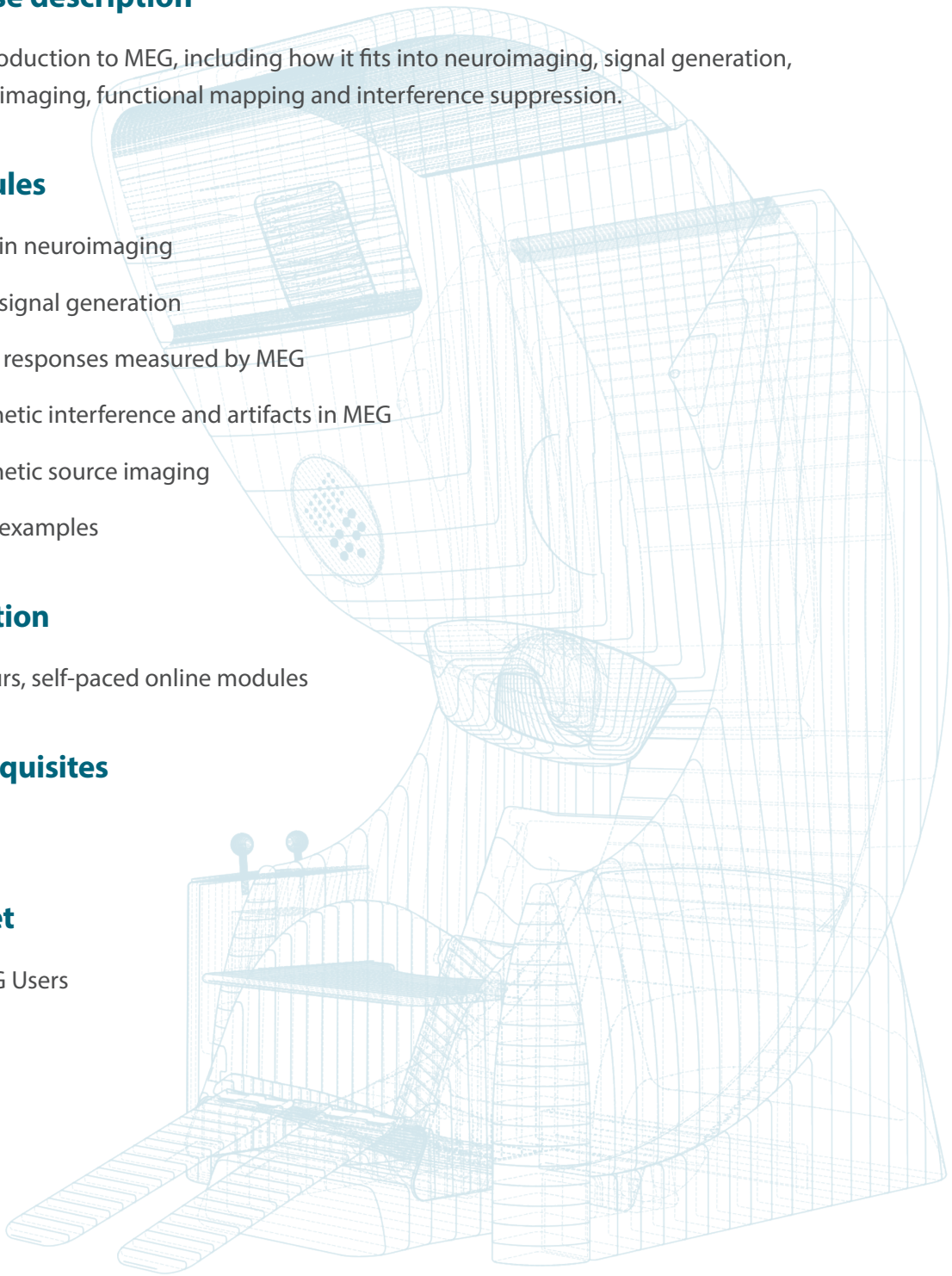
1.5 hours, self-paced online modules

Prerequisites

None

Target

All MEG Users



MEGIN

NM26296N

Introduction to TRIUX™ neo

Course description

An introduction to the TRIUX™ neo, including an overview of the imaging suite, sensor and electronics technology, patient positioning and monitoring, safety and performance, maintenance and service, network and IT and the basics of the IHR.

Modules

- TRIUX™ neo system overview
- TRIUX™ neo ARMOR sensors
- TRIUX™ neo ARMOR electronics
- TRIUX™ neo EEG and auxiliary electronics
- TRIUX™ neo patient positioning and monitoring
- TRIUX™ X neo probe unit and operation
- TRIUX™ neo system hardware safety and performance precautions
- TRIUX™ neo service and maintenance
- TRIUX™ neo network and IT
- TRIUX™ neo IHR core user training

Duration

2 hours, self-paced online modules

Prerequisites

NM26295N

Target

Key and Core Users

MEGIN

NM26297N

List of optional modules

Course description

An à la carte menu of supplemental modules for researchers and clinicians.

Modules

- Experimental design guidelines
- Stimulators and response devices
- MEGIN file format
- Open-source research software
- Interference suppression with SSP and SSS
- MaxFilter guidelines and examples
- MEG dipole modelling

Duration

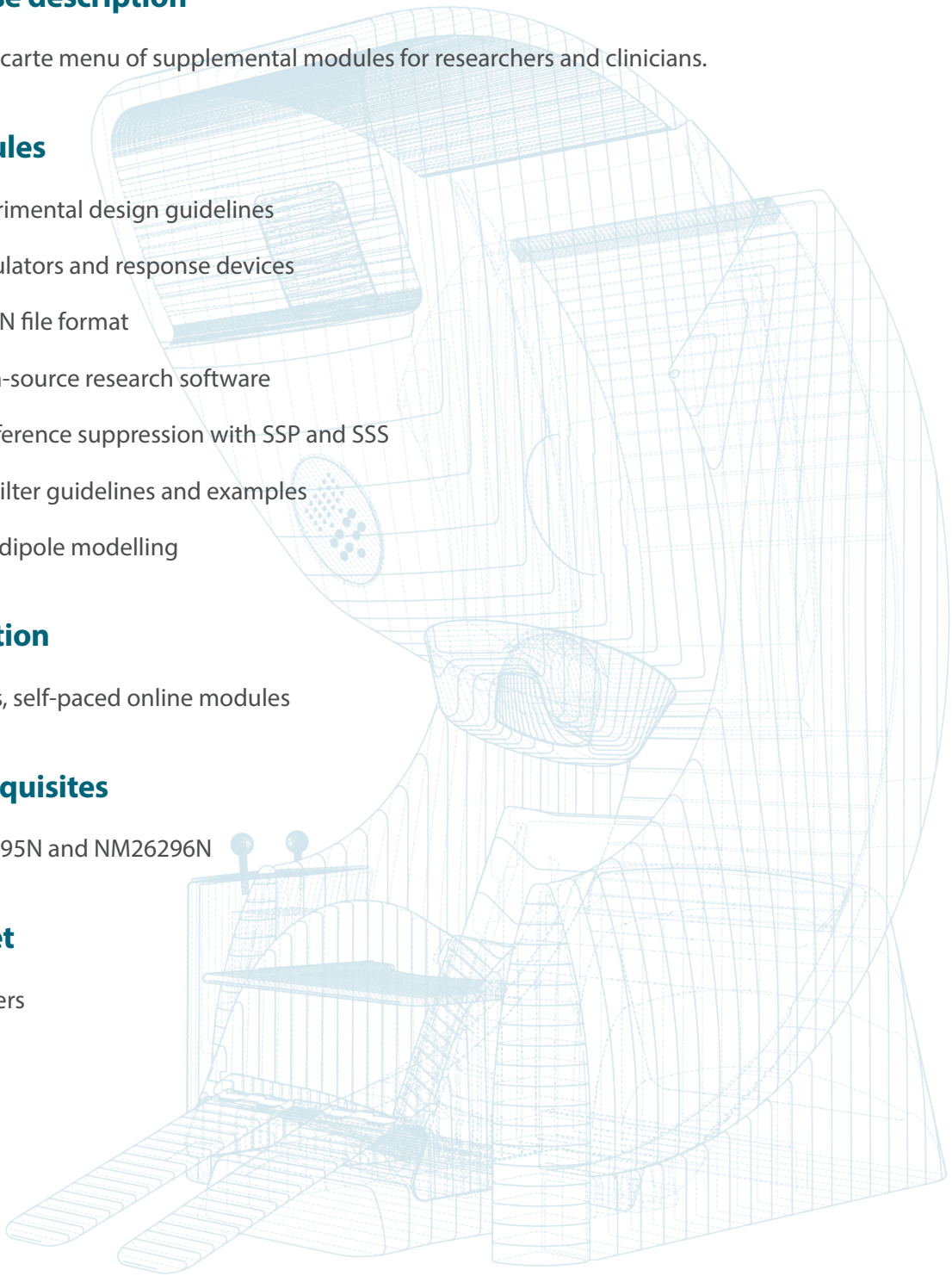
2 hours, self-paced online modules

Prerequisites

NM26295N and NM26296N

Target

Key Users



MEGIN

NM26299N

TRIUX™ neo Core User Level I

Course description

Delivered at the customer site, hands-on modules are trained according to MEGIN Guidelines. The goal is for key users and core users to repeat the core tasks multiple times. All the advanced topics have been covered during the key user training, so the focus is to get the technologists, neurologists, etc. with hands-on repeats and feeling confident to perform MEG recording and processing on their own. Generally, there are 2 days of hands on data acquisition and 2 days of hands on data analysis and software. A 5th day is reserved for troubleshooting and additional topics requested by the customer.

Modules

Guidelines to MEG data acquisition

- Introduction
- Prepare the MEG system
- Prepare the patient
- Record spontaneous MEG and EEG data
- Record magnetic evoked fields
- Finalize the measurement
- Troubleshooting: Data Acquisition
- Troubleshooting: Inspection of the head position

Guidelines to MEG data analysis software

- Introduction
- MEG analysis workflows
- Prepare MRI and sphere model
- Pre-process raw data using MaxFilter
- Prepare events for functional mapping
- Prepare events for epilepsy source localization
- Perform source modelling
- Prepare DICOM export and clinical report

Duration

5 days

Prerequisites

NM26295N and NM26296N

Target

Key and Core Users

MEGIN

NM26298N

TRIUX™ neo Key User Level I

Course description

Delivered at the customer site. The goal is for the key users to become familiar with all parts of the MEG system (train-the-trainer). Advanced topics and troubleshooting will be covered to ensure the Key User can perform quality maintenance of the system.

Hands-on modules are trained according to MEGIN Guidelines. All users receive training on the main topics, with Key Users receiving additional modules. Generally, there are 2 days of hands-on data acquisition and hardware as well as 2 days of hands-on data analysis and software. A 5th day is reserved for troubleshooting, learning the IHR and additional topics requested by the customer, e.g. third-party stimulators and/or software.

Modules

All modules of Core User Level 1 plus the following topics

- Maintenance: Prepare Acquisition Settings
- Maintenance: Optimize MEG signal quality
- Maintenance: Plan and Phantom recordings
- IHR Key User
- Topics for advanced source modelling
- Inspect and correct the head position
- Optimize MaxFilter processing
- Topics for using Graph standard setups
- Topics for using Graph epilepsy setups

Duration

5 days

Prerequisites

NM26295N and NM26296N

Target

Key Users

MEGIN

NM26300N

TRIUX™ neo Level II

Course description

This training is designed to be given 6–12 months post acceptance and is appropriate for Key Users, Researchers, Technologists, Engineers and other MEG users. The customer will pick from a list of approved training modules. The Training Manager will determine the best resources for delivering the training, for example, research experts. Typically, this training will focus on quality control, advanced troubleshooting, special research topics and advanced data analysis.

Modules

Determined by the MEGIN trainer based on requested topics.

Duration

5 days

Prerequisites

NM26298N or NM26299N or MEG experience

Target

Key Users

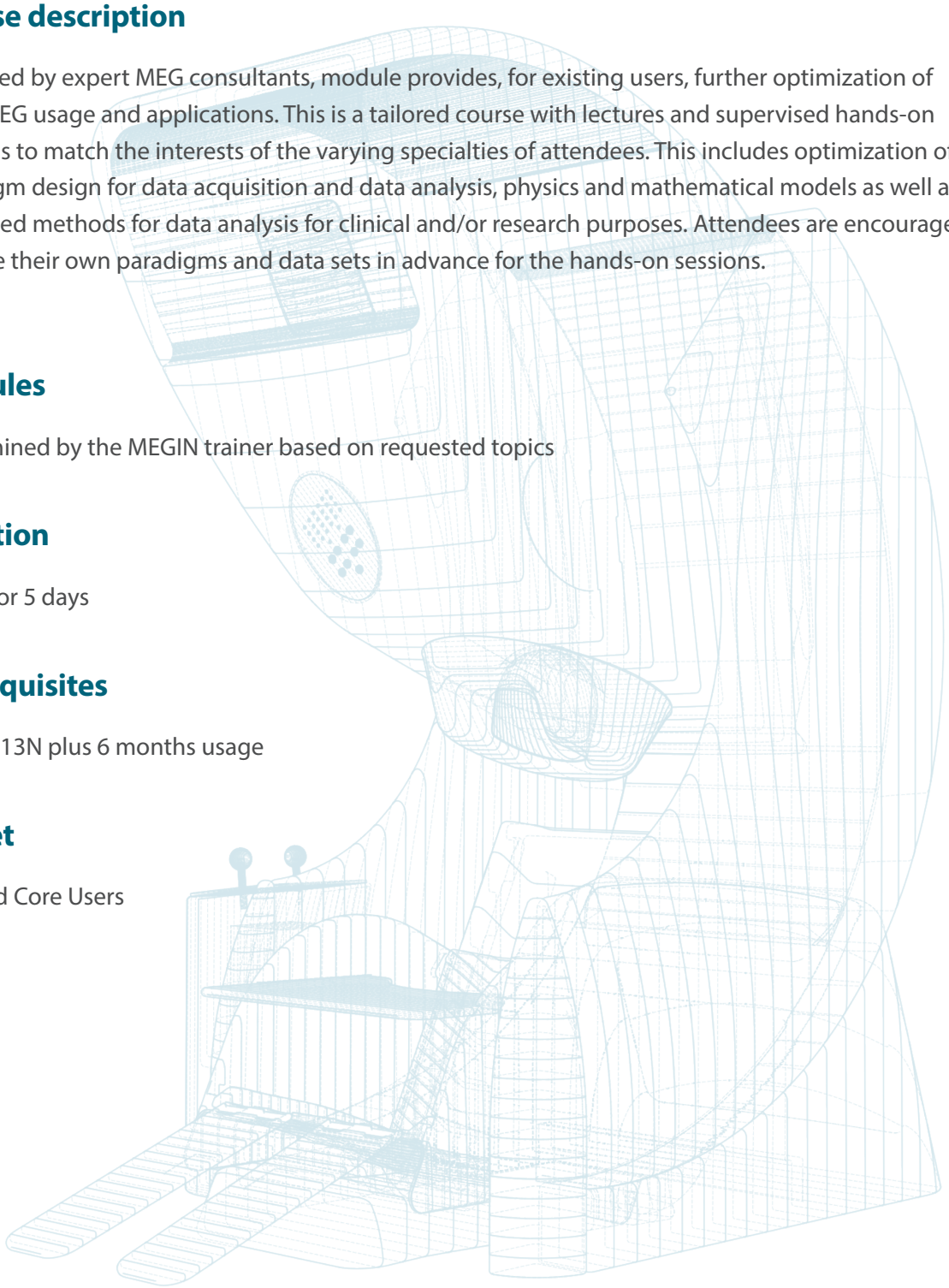
MEGIN

NM26015N/NM26016N

TRIUX™ neo 3-day/5-day on-site consultation

Course description

Delivered by expert MEG consultants, module provides, for existing users, further optimization of their MEG usage and applications. This is a tailored course with lectures and supervised hands-on sessions to match the interests of the varying specialties of attendees. This includes optimization of paradigm design for data acquisition and data analysis, physics and mathematical models as well as advanced methods for data analysis for clinical and/or research purposes. Attendees are encouraged to provide their own paradigms and data sets in advance for the hands-on sessions.



Modules

Determined by the MEGIN trainer based on requested topics

Duration

3 days or 5 days

Prerequisites

NM26013N plus 6 months usage

Target

Key and Core Users

MEGIN

NM26438N

TRIUX™ neo Delta-training

Course description

On-site, one-day internal helium recycler (IHR) training for existing MEGIN customers, who are upgrading their system to include an IHR.

Modules

- TRIUX™ neo IHR basic training
- TRIUX™ neo IHR key-user training

Duration

1 day

Prerequisites

Existing MEGIN customer

Target

Key Users

NM26439N

TRIUX™ neo Upgrade Training

Course description

On-site, 3-day hands-on training for existing customers that are upgrading their system to a TRIUX™ neo. This upgrade training includes the online courses.

Modules

- TRIUX™ neo Upgrade from Elekta Neuromag®
- Guidelines for MEG data acquisition
- Guidelines for MEG data analysis software

Duration

3 days

Prerequisites

Existing MEGIN customer

Target

Key and Core Users

MEGIN

NM26376B-A

MEGIN

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