

# CUSTOMER REFERENCE

**SENIS**  
magnetic & current measurement

**SENIS AG, Switzerland** develops, manufactures and supplies advanced sensors and instruments for magnetic field and electric current measurement as well as the corresponding development and engineering services.

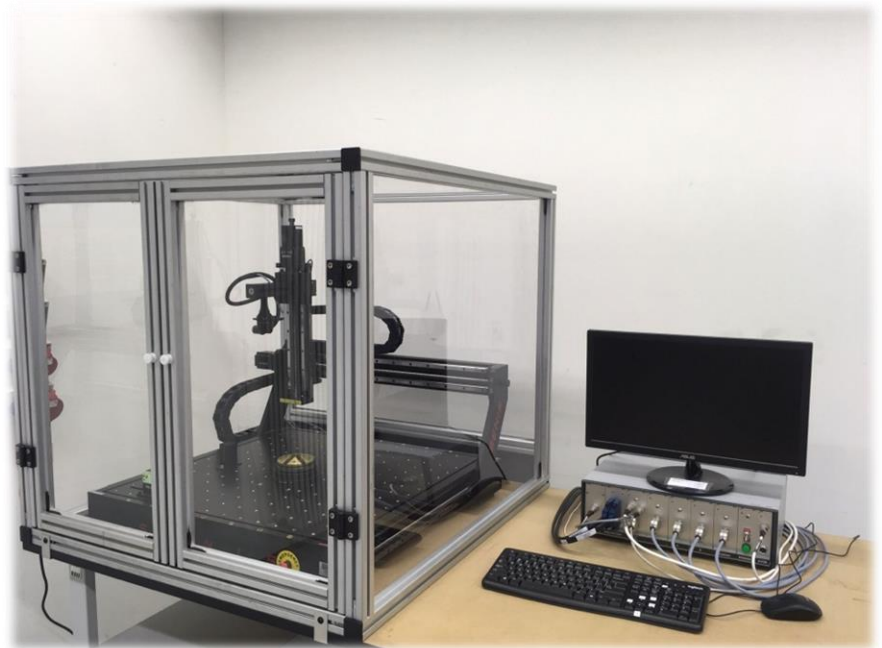
Our solutions and services help our clients in the automotive, consumer electronics, test and measurement industries, as well as to research institutes to create powerful, robust and effective products.

**SENIS® Magnetic Field Mapper MMS-1X-RS** installed at Porsche AG is a high-end magnetic field scanner that can be applied for mapping of all three components of DC or AC magnetic field. It can be used at customers in the R&D and as a quality assessment tool in production lines for accurate 3D mapping of permanent magnets.

SENIS: "Customers like our product for two reasons; the first one is that SENIS Mappers can measure all three components of magnetic field with unprecedented accuracy and repeatability very close to the magnet surface and in small gaps. The second reason is that our mapper software is very user-friendly and offers different types of analysis, with different types of data visualisation."

[www.senis.ch](http://www.senis.ch)

## PORSCHE AG Motorsport Racing Cars Quality



**Porsche AG**, Germany, [www.porsche.de](http://www.porsche.de), the high-performance sports cars manufacturer applies the **SENIS Mapper** for testing permanent magnet rotors of electromotors applied in Formula E racing cars <https://www.fiaformulae.com/>

Due to the accurate magnetic field measurement the best performed rotors are selected for Formula E. The **SENIS Mapper** is also used for motor position verification and further verifications for simulation purposes.

"We are happy to have found a measuring System, which gives us the opportunity to make a statement about the quality of our rotors as well as to develop certain performance aspects and increase development potential."

Mr. Christian Kienzler,

Porsche AG