



R & D ! Usually these 2 letters stand for Research and Development. For most people, they evoke scientists working in science-fiction labs, making discoveries and creating wonderful products. That can be true... in the end! But sometimes, for people working in such a department, R & D stands for Rubbish & Disaster: things go wrong, the performance is not as expected, ideas are not as smart as they seemed. No need to go hire a Nobel Prize winner! The key to success is not to let ourselves get discouraged, and to convince the financial people that we can do it eventually. And the best reward for an R&D team is when users say they are happy with your products. At Metrolab, we're proud to say it does sometimes happen...

Pascal Sommer, *Technical and R&D manager*



Tony Puffer, SMT Business Excellence Manager: "Metrolab's Magnetic Field Camera has revolutionised shimming!"

Tony Puffer, SMT:  
**"Dozens of NMR measurements for every magnet we produce!"**

Siemens Magnet Technology, one of the world's leading manufacturers of MRI magnets, produces more than 1,000 superconducting magnets each year. A cutting-edge industrial process, punctuated by an impressive array of tests and measurements from prototype to product and from factory to on-site installation. Tony Puffer, SMT Business Excellence Manager, answers our questions for Metrolab. [Read on](#)



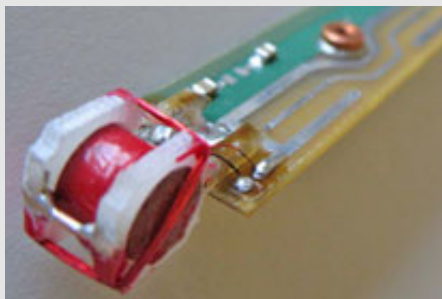
**Magnetic Endoscope: The new standard for hand-held Hall measurements**

2,000 measurements per second for fields up to 20T, miniature active volume, optimised offset... With the THM1176, nicknamed the "Magnetic Endoscope", Metrolab is pushing back the limits of Hall technology to offer a multi-purpose compact solution ideally suited to magnetic field measurement or mapping in an industrial environment. A look at the underlying technologies. [Read on](#)

**NMR measurement: At last, the truth about our probes!**

Hydrogen or deuterium? Pulsed or continuous wave? Integrated amplifier or not? Metrolab, the uncontested specialist for NMR (Nuclear Magnetic Resonance) teslameters, discloses some key information for understanding this unique technology – the only one capable of measuring strong magnetic fields with a relative error of less than 0.1 ppm.

[Read on](#)



### In brief

- PT2026 Update
- New Faces in R&D R&D Cooperation
- Agreement with EXTRA BYTE
- Flowing-Liquid NMR Teslameter