Dear readers,

From early prototype to live demonstrator within weeks - February has been intense. At LOPEC 2026 in Munich, we presented our newly developed FSI insole for the first time and invited visitors to test it directly at our booth.
Other developments are also progressing rapidly, so we are very confident that we will be able to present the next highlight in the next newsletter!

LOPEC 2026 Recap - Step Into Precision

At LOPEC, we introduced our new **Force Sensing Impedance insole demonstrator**, showcasing real-time force distribution measurement based on our proprietary impedance-based PNC solutions.
Visitors were able to step onto the demonstrator and instantly see the force distribution of their feet. The response was overwhelmingly positive. Many discussions focused not only on wearable applications, but also on robotics, automation interfaces, and surface integration.

Our tables were filled with demonstrators, from scalable matrix architectures to evaluation systems, allowing hands-on exploration of our sensing platform.

From Prototype to Demonstrator

Last month, we shared an early prototype assembled from sensor kit components. Over the past weeks, we significantly refined both hardware and software.

The result is a stable, repeatable insole demonstrator that clearly illustrates how force sensing impedance enables high-resolution, drift-resistant measurement under dynamic load conditions.

What’s Next

LOPEC marked the first public presentation of the new shoe insole - but it is only the beginning. Over the coming months, we will continue presenting our new developments at:

- all about automation - Friedrichshafen
- Robotics and Automation Exhibition - Birmingham
- Hannover Messe
- OTWorld - Leipzig
- Sensor + Test - Nuremberg
- TechBlick - Mountain View

If you would like to schedule a meeting at any of these events or discuss a specific integration project, feel free to reach out in advance.

Best regards,
The NanoSen Team

WE WISH YOU A SUCCESSFUL AND INSPIRING YEAR AHEAD.

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