



WaveLab Engineering services brochure

We are your trusted engineering and technology partner for radio-frequency engineering, microwave engineering, and electromagnetic compatibility (EMC).

Our experienced team works on challenging radio-frequency projects every day, applying this expertise to develop tailored solutions for your specific project requirements.

+41 31 868 44 66
www.wavelab.ch

Your specialist
in high-frequency technology
since 1999

Our expertise



Radio-frequency technology

We support your customized radio-frequency engineering project from the initial idea through to successful implementation, applying our in-depth expertise where needed.



Simulation

Using a wide range of simulation methods, we lay the foundation for high-performance, reliable radio-frequency systems early in the development process.



Antennas

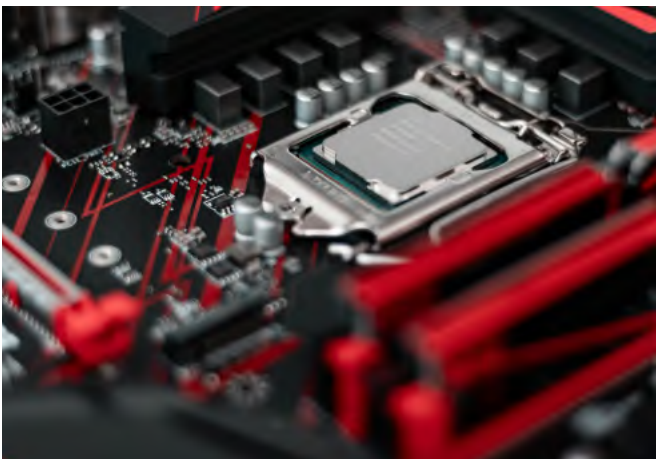
Our antenna solutions provide the foundation for reliable wireless connectivity in combination with high-performance IoT systems.

Our expertise



Anechoic chamber

For radiated measurements, we use a fully characterized anechoic chamber starting at 500 MHz. An open-area test site with a measurement distance of up to 15 meters and 6-meter-high measurement masts is also available.



Hardware

We support you in developing powerful, compact, and energy-efficient hardware. With a focus on robustness, large signal immunity, and future-proofing, we create the basis for stable systems without unwanted interference.

Porträt



Since our founding, we have been based at our current location in Lätti and have continuously expanded our expertise:

An early milestone in our company's history was establishing a close partnership in radio-frequency and system simulation with Applied Wave Research. Since then, we have supported customers both nationally and internationally with technical support, training, and the application of advanced simulation tools such as Microwave Office and Visual System Simulator. Through continuous professional development in linear, nonlinear, electromagnetic, and multiphysics simulation, we have built extensive expertise for solving complex engineering challenges.

Since 1999, we have stood for technical precision, decades of experience, and innovative engineering services in radio-frequency engineering, microwave engineering, antenna design, simulation, and electromagnetic compatibility (EMC). Working closely with our customers, we develop forward-looking solutions that deliver technical excellence and create lasting value.

Mission



Since 1999, we have specialized in complex radio-frequency engineering projects:

We design, manufacture, and characterize antennas and radio-frequency components, and analyze radiated electromagnetic interference (EMI) from devices under test (DUTs).

As a hands-on engineering partner, we provide customized solutions wherever in-depth expertise in radio-frequency engineering is required. By combining technical excellence with practical project experience, we support you from the initial concept through successful implementation. For every challenge in radio frequency engineering, you have direct access to the right specialist with the expertise your project demands.

About us



Our team und expertise:

WaveLab Engineering is your trusted engineering partner specializing in radio-frequency and microwave engineering. Our experienced team works on challenging radio-frequency projects every day, applying this expertise to deliver tailored solutions for your specific project.

Behind every successful technical solution are people who understand complex engineering challenges and take responsibility for delivering results. Together, we are committed to making complex technologies easier to understand and developing innovative solutions that perform in real-world applications. This commitment has been at the core of WaveLab Engineering since our founding.

Your technical experts



Hanspeter Oppliger

Executive management and specialist for antennas, RF-systems and simulation



Tobias Badertscher

Specialist for embedded systems and electronics development



Kamen Blunt

Specialist for hardware development, production and testing



Alex Tschumper

Specialist in radio-frequency systems and hardware development



Do you have a specific project or a question about our services?

We are happy to help!

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