

# CENTAR ZA MJERENJA U OKOLIŠU d.o.o.

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Centar za mjerenja u okolišu d.o.o. (CMO) is a LTD company established in 2012. It was created by merging two Companies: Doron Net d.o.o. and Elektrotehnicko inženjerstvo i usluge d.o.o.

One part of CMO is the organizational unit - CMO Laboratory (CMOLab) which specializes in protection activities of non-ionizing radiation. The Lab performs measurements and estimations of both high- and low-frequency electromagnetic fields. Recently, noise protection measurements were added to its scope.

CMO's company policy is to provide the best possible service to its clients. Therefore, we pay a lot of attention to our measurement equipment. All of the measurement equipment is properly validated in Germany, Austria, Slovenia and Croatia. Equipment validation is always performed in specialized and accredited laboratories. The principles and methods of validation are in compliance with the ISO/IEC 17025 standard.

## High frequency electromagnetic fields



CMOLab performs measurements of electromagnetic fields in the frequency range between 100 kHz and 6 GHz. It also performs assessments of expected levels of electromagnetic fields frequencies between 100 kHz and 40 GHz.

Radiation sources in this case are:

- Mobile operator base stations and indoor telecommunication network systems
- Radio and TV transmitters

Measurement equipment used to perform these tasks is made by the German company "Rohde&Schwarz".



## Low frequency electromagnetic fields



CMOLab performs measurements and estimations of low frequency electromagnetic fields ranging in frequency between 0 Hz and 100 kHz. Radiation sources in this case are:

- Magnetic resonance imaging
- Power lines
- Transformers

Measurement equipment used to perform these tasks is made by "NARDA".



## Acoustic



CMOLab performs work environment noise measurement. It also determines noise exposure related health and safety requirements. CMOLab as well performs the measurements of airborne sound insulation, impact sound insulation and sound insulation of facades. Measurement equipment used to perform these tasks is made by "Brüel & Kjør 2270".



To perform such specialized tasks the CMO possesses following authorizations<sup>1</sup>:

- Accreditation issued by the Croatian Accreditation Agency (HAA no. 1156)
- Authorization issued by the Ministry of Health
- Authorization issued by Croatian Regulatory Authority for Network Industries (HAKOM)



<sup>1</sup>CMOLab is currently in the process of obtaining the authorization for acoustic measurements from Croatian Ministry of Health.