



METRIS

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Lloyd's
Register



METRIS
Ustanova Centar
za istraživanje materijala
Istarske županije

METRIS
Material Research Centre

Laboratorij 1 opremljen je optičkim emisijskim spektrometrom s GDS načinom pobude, *Laboratorij 2* pretražnim elektronskim mikroskopom s emisijom polja, metalografskim mikroskopom te optičkim stereomikroskopom, *Laboratorij 3* računalnom radnom stanicom i softwareom za numeričku analizu metodom konačnih elemenata, *Laboratorij 4* univerzalnom statičkom kidalicom 250 kN i uređajem za mjerenje tvrdoće. *Laboratorij 5* je opremljen Charpy njihalom, dok je *Laboratorij 6* opremljen nizom uređaja za analizu bioloških uzoraka i uzoraka hrane.

METRIS svoje usluge obavlja kroz tri odjela:
METRIS performs its services within 3 departments:

Kemijski / Department of Chemical Engineering
(Laboratoriji 1 i 2 / Laboratories 1 and 2)

Mehanički / Department of Mechanical Engineering
(Laboratoriji 3, 4 i 5 / Laboratories 3, 4 and 5)

Biotehnički / Biotechnical department
(Laboratorij 6 / Laboratory 6)

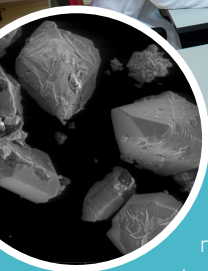
Centar posluje u skladu s normom **HRN EN ISO 17025** te je 17. studenog 2011. godine uspješno dovršen postupak akreditacije usluga METRIS-ovih laboratorija pri **Hrvatskoj akreditacijskoj agenciji (HAA)** za pet metoda kemijskog i mehaničkog ispitivanja.

Pored navedenog, početkom 2012. godine, usluge METRIS-a certificirane su i od strane **Bureau Veritasa**, certifikacijske kuće značajne za brodograđevni sektor te u 2015. od strane **Lloyd's registra** i **CRS Hrvatskog registra brodova**.

Laboratory 1 is equipped with an **optical emission spectrometer with GDS (glow discharge source) sample stimulation**; *Laboratory 2* with the **Field Emission Scanning Electron Microscope (FE-SEM)**, **optical metallographic and transmission microscope** as well as **optical stereomicroscope**; *Laboratory 3* with **numerical analysis software**; *Laboratory 4* with **250kN static universal testing machine** and **device for measuring the hardness and Vicker's microhardness**; *Laboratory 5* with **Charpy pendulum** whereas *Laboratory 6* is equipped for **analyses of food and biological samples**.

The Centre operates in compliance with the **HRN EN ISO 17025** standard. From 17th November 2011 METRIS is accredited by the **Croatian Accreditation Agency (HAA)** for five methods of chemical and mechanical testing.

In addition, starting from year 2012, 14 services METRIS offers are certified by **Bureau Veritas**, world leader in testing, inspection and certification services for shipbuilding. From 2015, the Centre is also certified by **Lloyd's Register** and **Croatian register of shipping (CRS)**.



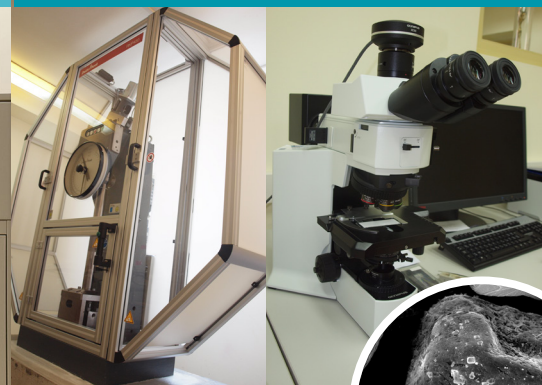
Oprema dostupna u METRIS-u namijenjena je analizi metala te čvrstih materijala i ispitivanju njihovih kemijskih, mehaničkih i strukturnih značajki.

METRIS nudi usluge ispitivanja kvalitete proizvoda i materijala, stvaranja novih ili poboljšanja postojećih proizvoda, usluge razvoja inovativnih ideja te istraživanja i razvoja za privatni i javni sektor.



Osim ispitivanja metala i raznih drugih materijala, oprema koja se nalazi u METRIS-u koristi se i za čitav niz detaljnih analiza biološkog materijala te za razna ispitivanja za arheologe, restauratore i konzervatore.

Od svog osnivanja 2009. godine, METRIS je sudjelovao u pripremi i implementaciji niza EU projekata. Aktivno surađuje na provedbi projekata usmjerenih prije svega na poticanje tehnološkog razvoja, kao i razvoja inovacija sa znanstveno-istraživačkim institucijama i ostalim partnerima na području Hrvatske i u inozemstvu.



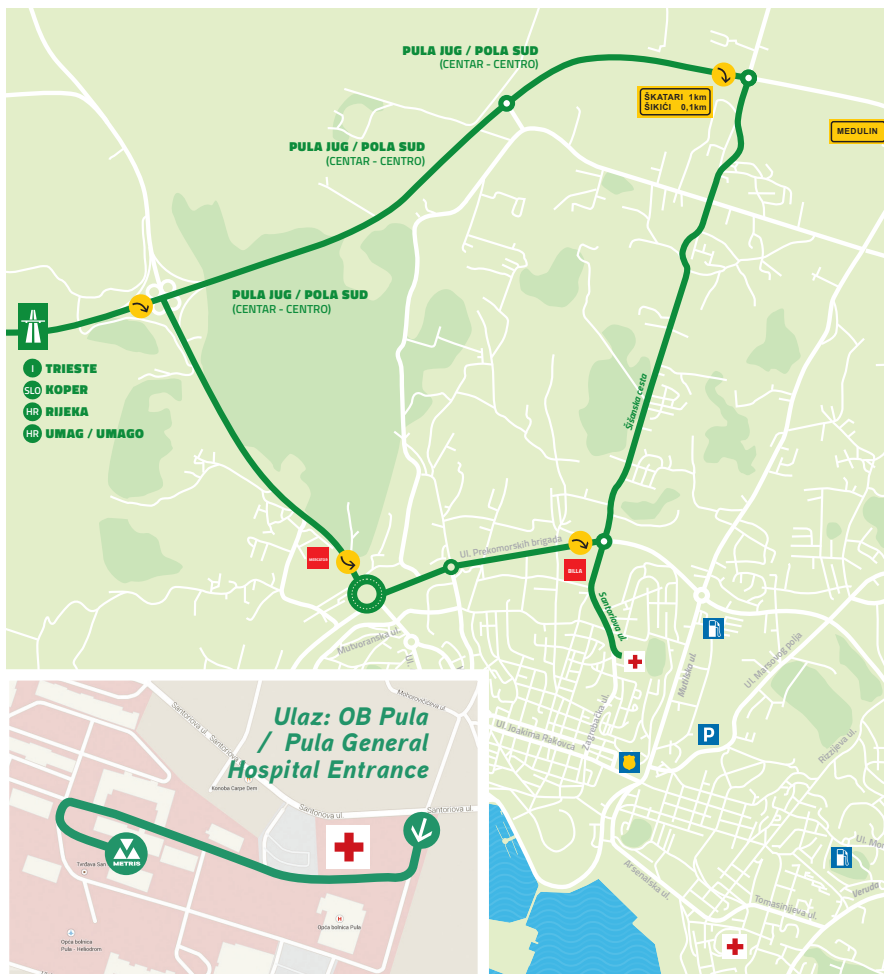
The equipment available in METRIS provides analyses of metals and other materials in regard to their chemical, mechanical and structural characteristics.

METRIS offers and provides material and product quality testing services, as well as services of development of new and improved products, innovative ideas and R&D for both private and public sector.



The services METRIS performs include also a wide range of analyses on biological samples and analyses for archaeologists, restorers and conservators.

Since its establishment in 2009, METRIS has actively participated in preparation and implementation of various EU funded projects. Its main activities within these projects lie in fostering of technological and innovation development and collaboration with different research institutions and other partners in Croatia and abroad.



Kontakt/Contact

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