Łukasiewicz
Górnośląski Instytut Technologiczny

FEM CALCULATIONS AND SIMULATIONS

We offer services in the field of advanced modelling, calculations and FEM numerical simulations.

We have many years of experience and state-of-the-art computational tools that allow us to achieve high quality and high convergence with real models.

Optimize your project

We offer:

- electromagnetic calculations and simulations,
- thermal calculations and simulations,
- mechanical and strength calculations,
- CFD calculations and simulations.

ANSYS®

Ansys Electronics Low Frequency EM Field Simulation	**Ansys Motor-CAD** Electric Machine Design Software
Ansys Fluent Fluid Simulation Software	**Ansys Mechanical** Finite Elemant Analysis (FEA)

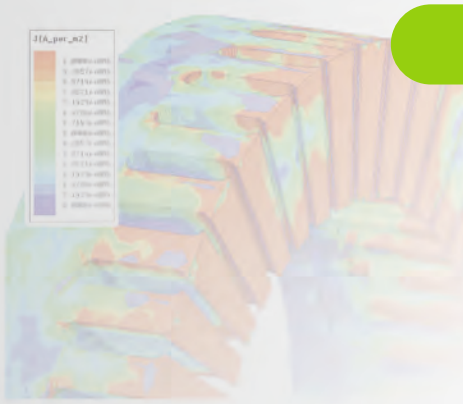
ANSOFT

Motor-CAD

AUTODESK Inventor

WE INVITE YOU TO TAKE ADVANTAGE OF OUR SERVICES.

Center of Electrical Drives and Machines

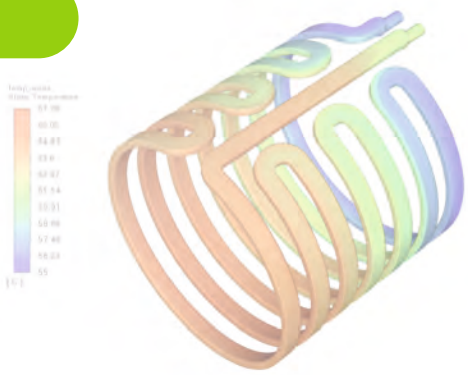


ELECTROMAGNETIC CALCULATIONS AND SIMULATIONS

One of our main specializations is calculations and simulations of electromagnetic circuits of all types of machines and electric drives. In addition, we offer modelling and simulation services of phenomena related to the magnetic and electromagnetic fields of various types of energy converters.

THERMAL CALCULATIONS AND SIMULATIONS

We carry out thermal calculations and analyses of various types of machines and devices using the finite element method. Our main specialization is rotating electric machines.



MECHANICAL AND STRENGTH CALCULATIONS

We provide modelling services and numerical simulations of strength mechanical elements using **ANSYS Mechanical** software.

CFD CALCULATIONS AND SIMULATIONS

We offer CFD numerical calculation services for ventilators, cooling systems and heat exchangers using **ANSYS FLUENT** software.

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