



TRANSFORMERS MAGAZINE'S  
INDUSTRY NAVIGATOR

INVESTMENTS, ARTIFICIAL INTELLIGENCE  
AND SUSTAINABILITY  
CONFERENCE 2024

# Navigating sustainability challenges

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12<sup>TH</sup> JUNE 2024

**KONČAR**  
ELECTRICAL ENGINEERING  
INSTITUTE



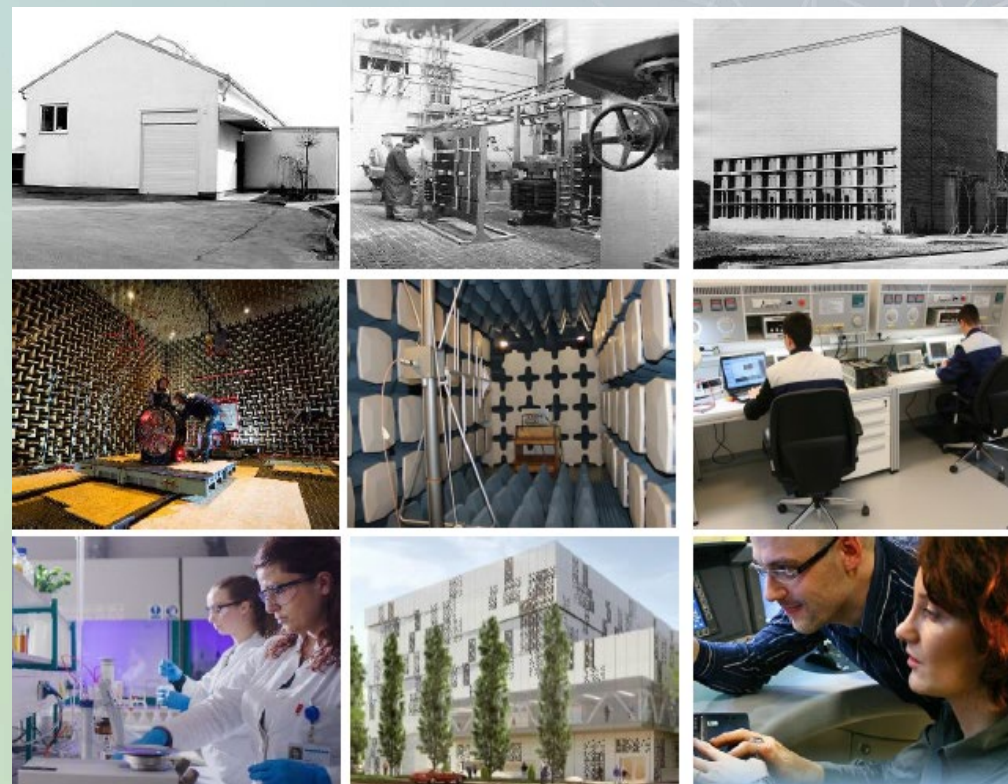


# Introduction

# 63

years of scientific research  
dedicated to creating new  
and innovative products  
and services

- ❑ Established in **1961**, reorganized in **1991**
- ❑ Based in **Zagreb, Croatia**
- ❑ Independent company within **KONČAR Group**
- ❑ Registered in the **Register of the Scientific Organization** of the Ministry of Science and Education







# Introduction – Company overview



## PEOPLE

200 employees

79% with high or higher education



## OPERATING INCOME

16,21 million EUR (2023)



## LABORATORY CENTER

>750 accredited test methods

9 modern-equipped laboratories



## NOTIFIED BODY NB 2492

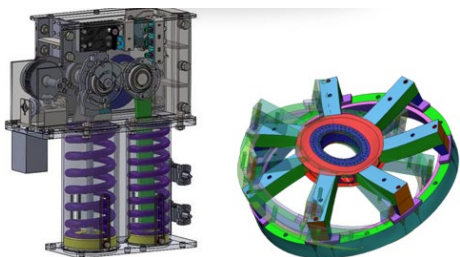
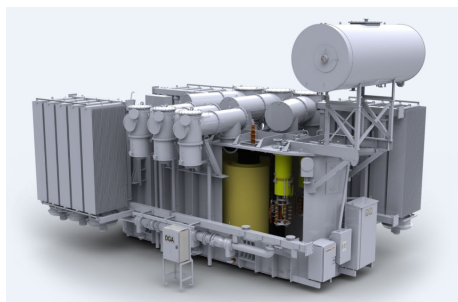
and product certified body (SCERT)





# Introduction – Key business activities

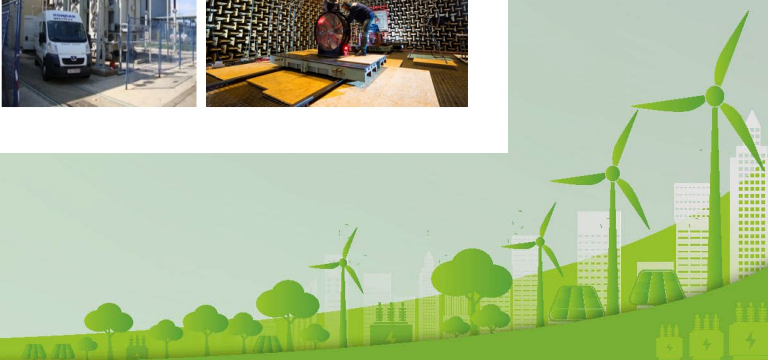
## Research and development



## Monitoring and control solutions



## Laboratory Services On-site testing Certification of electrical products



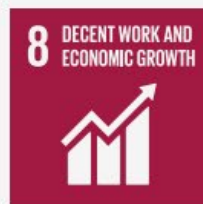


# Introduction – Intricate relationship

Sustainability is not just an environmental concern; it also encompasses social and economic aspects.

Balancing act to meet the needs of the present without compromising the ability of future generations.

KONČAR - Institute contributes to implementation of UN Global Sustainable Development Goals.







# Challenges and opportunities

Challenges	Opportunity
Resources	Efficient resource utilization through collaboration, technology and innovation
Innovation	People in R&D drive innovation in collaboration with customers, Academia and other research institutions. Innovations are used throughout KONČAR Group
Products	Design for disassembly, repairability, recyclability, incorporating innovation and knowledge into our products. Direct and indirect affect.





# Strategic resource investment

## Increase of laboratory capacities by our own investment

The new LAVESP laboratory obtained the permit to operate, and testing activities were started. This was the Institute's largest and most important investment since 1971, amounting to over €8,5 million.

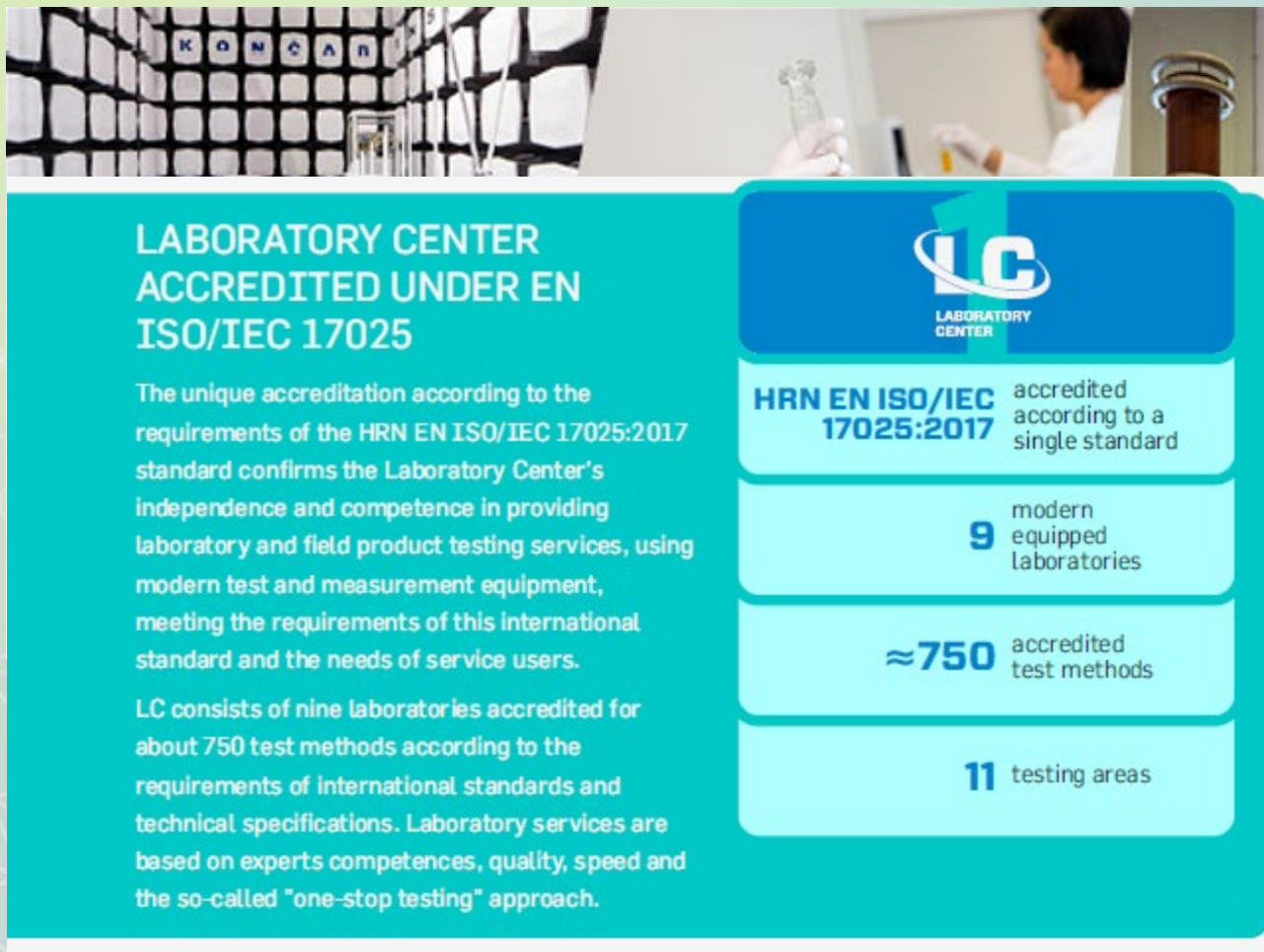
The new laboratory is a leap in the Institute's testing capabilities and market position.







# Strategic resource investment



**LABORATORY CENTER  
ACCREDITED UNDER EN  
ISO/IEC 17025**

The unique accreditation according to the requirements of the HRN EN ISO/IEC 17025:2017 standard confirms the Laboratory Center's independence and competence in providing laboratory and field product testing services, using modern test and measurement equipment, meeting the requirements of this international standard and the needs of service users.

LC consists of nine laboratories accredited for about 750 test methods according to the requirements of international standards and technical specifications. Laboratory services are based on experts competences, quality, speed and the so-called "one-stop testing" approach.

**LC**  
LABORATORY  
CENTER

**HRN EN ISO/IEC  
17025:2017** accredited  
according to a  
single standard

**9** modern  
equipped  
laboratories

**≈750** accredited  
test methods

**11** testing areas







# Strategic resource investment

## Investments in LAVESP

- ❑ Key shared resource
- ❑ Used for:
  - Services – testing and certification
  - R&D – playground
  - Products - testing and POC's

## Investments in R&D

- ❑ Investments from the Group companies
- ❑ Investments from the Croatian Science Foundation
- ❑ Own investments





# Our policy

The Institute's Development Strategy defines how the Institute builds its long-term sustainable development in the areas of electrical engineering and transport, specifically in:

- ❑ Premium research and development services;
- ❑ Competent and well-equipped laboratories within the Laboratory Center;
- ❑ Competitive advanced solutions, such as electrical equipment monitoring systems and rail management systems

Alignment with Sustainable Development Strategy of the KONČAR Group.







# Social responsibility



- ❑ Sustainable development
- ❑ Employee wellbeing
- ❑ Creation of innovative and competitive technical solutions and services
- ❑ Minimization of environmental impact
- ❑ Active in local communities

2023 HRIO Award for the best application of socially responsible practice in the category of medium-sized companies.





# Thank you!

# Questions?

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