

# V-Research GmbH

Photonics

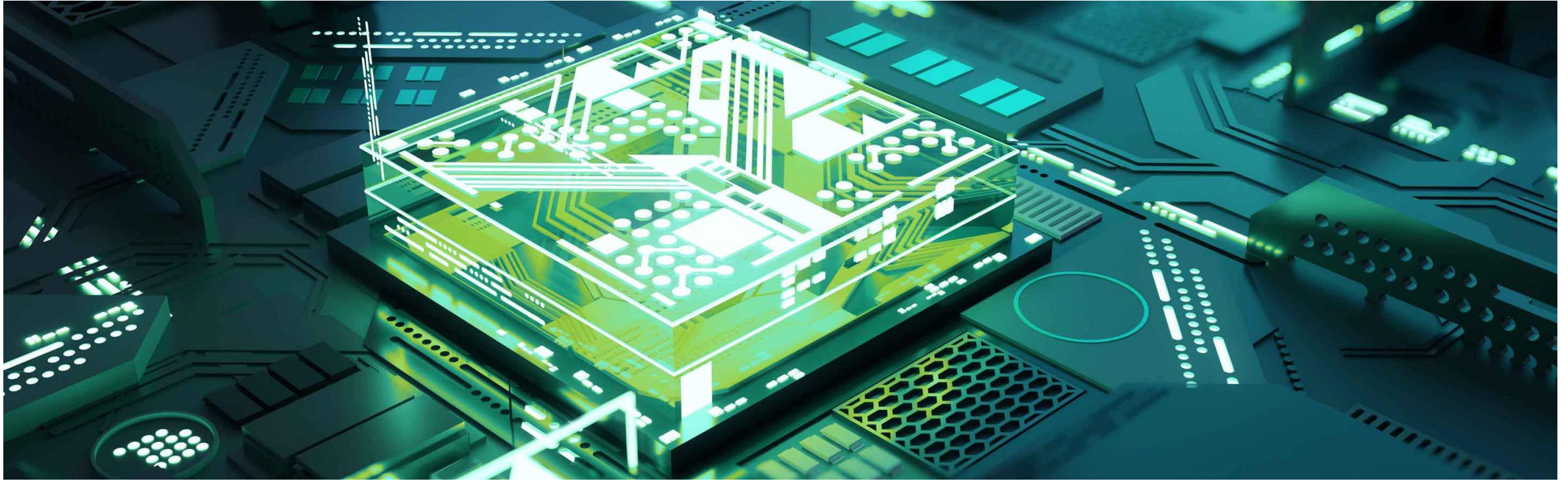
smart and human centric lighting

Digital Engineering

data analysis, AI, product and process optimisation

Tribo Design

design and analysis of tribological systems



# Photonics

# Photonics

## *Smart and human centric lighting*

Advantages of modern lighting:

- Less energy consumption
- Additional Sensors to automatically detect which lighting scenario you probably want
- Lighting when you need it where you need it
- Lighting that adjusts to you and not you adjusting to the lighting controls
- Enhanced wellbeing





# Digital Engineering

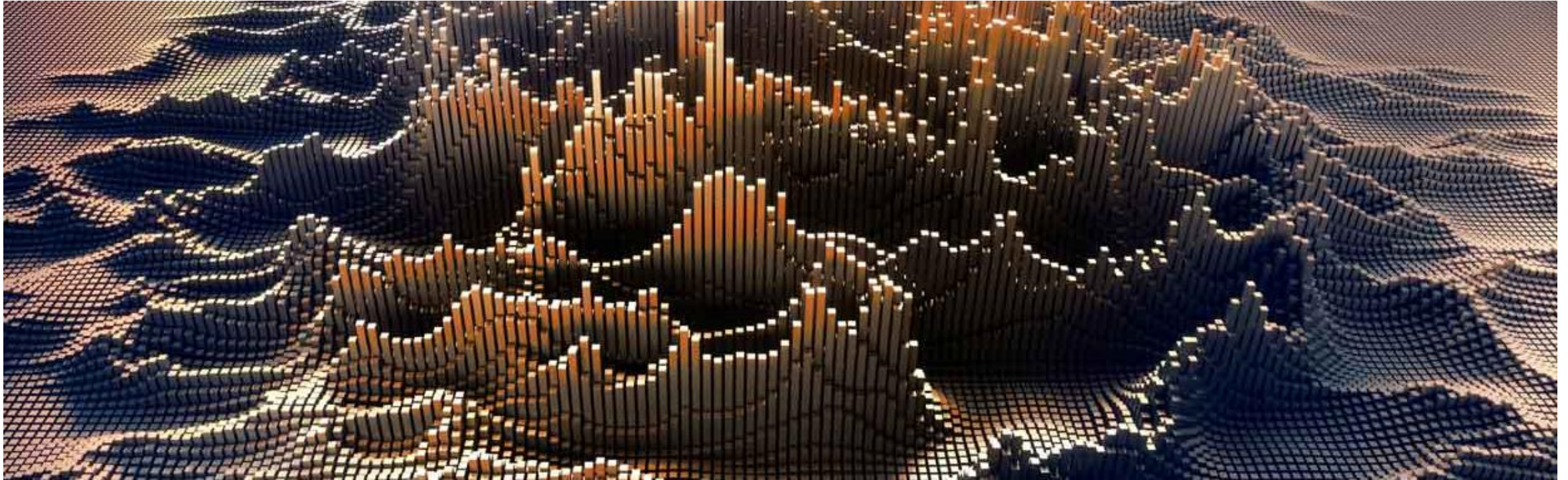
# Digital Engineering

*Shaping engineering to gain added value of digital technologies*

With our experts with backgrounds in engineering, mathematics, and computer science, we understand your digital engineering challenges. We do **research on innovative computational methods** and collaborate with you to develop the right solution. No matter it is about **preparing for digitization initiatives**, **implementing an innovative solution**, or you are facing seemingly unsolvable tasks.

With our background in industry and research, we combine pragmatism and innovation for consulting, research and implementation.





## Tribo Design

# Tribo Design

*Design and analysis of tribological systems*

We **develop** and **optimize** tribologically stressed systems and surface properties by means of a systematic approach with modern analysis methods and measurement techniques.

We solve cross-domain problems holistically. Systematic, logical, goal-oriented - industrial research and development on a scientific level.



# About us

V-Research GmbH shares are held 51 %, by the “Association for the Promotion of Industrial Research” - an association of 17 companies and two institutions, and 49 % are owned by the State of Vorarlberg - represented by the Vorarlberg University of Applied Sciences.

## Association for the Promotion of Industrial Research

Cimtrode GmbH  
Doppelmayr Seilbahnen GmbH  
Erne Fittings GmbH  
ERVO Produktionsges.m.b.H.  
Gebrüder Weiss GmbH  
Henn GmbH & Co KG  
Spectra-Physics  
Hirschmann Automotive GmbH  
Industriellenvereinigung Vorarlberg  
Künz GmbH  
Liebherr-Werk Nenzing GmbH  
Lingenhöle Technologie GmbH

Schelling Anlagenbau GmbH  
Thien e-drives GmbH  
Walter Bösch GmbH & Co KG  
Wirtschaftskammer Vorarlberg  
ZIMM GmbH & Co  
Zumtobel Group AG

## Scientific Partners

Land Vorarlberg  
Wirtschafts-Standort Vorarlberg GmbH  
Österreichische Forschungsförderungsgesellschaft mbH  
Bundesministerium für Verkehr, Innovation und Technologie  
Wirtschaftskammer Vorarlberg  
Industriellenvereinigung  
ACR Austrian Cooperative Research



# Our Partners

We are a non-university centre of excellence for applied research, development and innovation in the technological-industrial area. Our activities deal with complex business tasks as well as guarantee our contribution to social development on a non-profit basis. Together with our customers as partners, we achieve set goals in a solution-oriented and effective manner. V-Research is characterized by the use of the latest methods from the areas of data science and computer-aided optimization, as well as a sophisticated methodical approach in the areas of digital engineering, photonics and tribology.

## Scientific Partners

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Bundesministerium für Verkehr, Innovation und Technologie  
Wirtschaftskammer Vorarlberg  
Industriellenvereinigung  
ACR Austrian Cooperative Research

## Industriepartner

Liebherr-Werk Nenzing GmbH  
Pratopac GmbH  
Zumtobel Group  
Tridonic GmbH&CoKG  
IMS Gear  
Kral GmbH  
Lingenhöle Technologie GmbH

# V-Research GmbH

Industrial Research and Development

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