

KV R&D Center GmbH



KISWIRE VEROPE® R&D CENTER

REDEFINED TECHNOLOGIES

THE RESEARCH AND DEVELOPMENT INSTITUTION KV R&D CENTER IS A COOPERATION BETWEEN KISWIRE AND VEROPE®, WITH FOCUS ON THE DEVELOPMENT OF NEW PRODUCT AND SERVICE SOLUTIONS FOR CUSTOMERS AND PARTNERS ALL AROUND THE GLOBE.



KV R&D Center in Contwig

THE ALL NEW KV R&D CENTER GMBH

KISWIRE / VEROPE® ARE COOPERATING MORE THAN EVER!

Kiswire and verope® make another step towards intensifying their cooperation with yet another joint venture organization in order to further increase the focus on research and development.

The verope® know-how in application technology and rope design and the expertise of Kiswire, the largest high carbon steel wire producer in the world in production technology, metallurgy and material engineering, were merged in Contwig, Germany.

Our goal is the development of highly innovative products for lifting applications as well as continuous improvements of our existing products and their components with the aid of state of the art production and testing equipment.

Close cooperation with the leading OEM's, wire rope component producers and universities are key in our application oriented research and development approach.

MEET OUR TEAM

OF ROPE TECHNOLOGY EXPERTS

verope is continuously hiring to meet the highest standard in customer satisfaction.

Need assistance? We are always at your service.
Tel: +49 (0) 6332 488 70 24



→ **THIERRY VERREET**

Managing Director
verreet@kvrnd.com



→ **RYAN BAE**

Research Engineer
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→ **MARCO ELIG**

Research Engineer
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→ **VIKTOR JUNKER**

Rope Production Technology
junker@kvrnd.com



→ **MORITZ BÄCHLE**

Rope Analysis
baechle@kvrnd.com

Additionally, we are supported by the "Rope Pope":

→ **ROLAND VERREET**

Chief Technical Consultant

A man with glasses and a dark jacket is standing in a workshop, looking directly at the camera. He is holding a blue marker in his hands. In the background, there is a computer monitor and various pieces of equipment.

OUR TEAM IS

**ALWAYS AT
YOUR SERVICE**

 www.verope.com  facebook.com/veropeAG

MORITZ BÄCHLE
Testing and Evaluation

TESTING FACILITIES

DESTRUCTIVE TESTING EQUIPMENT

→ TENSILE TEST MACHINES

- Quasistatic tensile test up to 50kN / 300kN / 2500kN
- Tension tension fatigue test up to 210kN
- Creep test

→ BENDING FATIGUE TEST MACHINES

- Multizone bending fatigue test machine up to 50kN / 198kN
- Torque test machine
- Twist/Torque test Machine up to 300kN

→ WIRE TESTING EQUIPMENT

- Wire reverse bending test
- Wire torsion test

NON-DESTRUCTIVE TESTING EQUIPMENT

FE-SEM:

- Microstructure observation
- Qualitative analysis by EDX

SEM:

- Fractographic analysis
- Microstructure observation
- Qualitative analysis by EDX

Torsion tester:

- Determination torsion values of wires

Profile Projector

- Analysis of die geometry
- Analysis of wire breaks

Micro Vickers Hardness Test

- Determination of material hardness

Rockwell Hardness Tester

- Determination of material hardness



KV R&D Center Test Field

**KV R&D
CENTER GMBH**

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