

# Your Powerful Partner for Composites Testing

From static to dynamic, from manual to fully automatic

Intelligent testing for the  
mechanical characterization of  
fiber-reinforced composites:

- 20 test methods: tensile, compression, shear, flexure, fracture toughness, fatigue, ...
- 120 standards: ISO, ASTM, BSS, AITM, ...
- -80 °C to +360 °C temperature range
- Manual, fully automatic or customized solutions
- A variety of strain measurement solutions from strain gauges to advanced optical systems
- Intuitive testing software and future-proof analytics options

What is your testing challenge? [info@zwickroell.com](mailto:info@zwickroell.com)  
[www.zwickroell.com/composites](http://www.zwickroell.com/composites)

**Zwick / Roell**

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# cu reports

#01 | 2026

International member magazine  
of Composites United



## FUTURE IS NOW

### CU NETWORK

Politics, news, events – know  
what your CU is all about

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### FUTURE DEFENSE

Annual focus theme 2026: Boosting  
defense and security capabilities

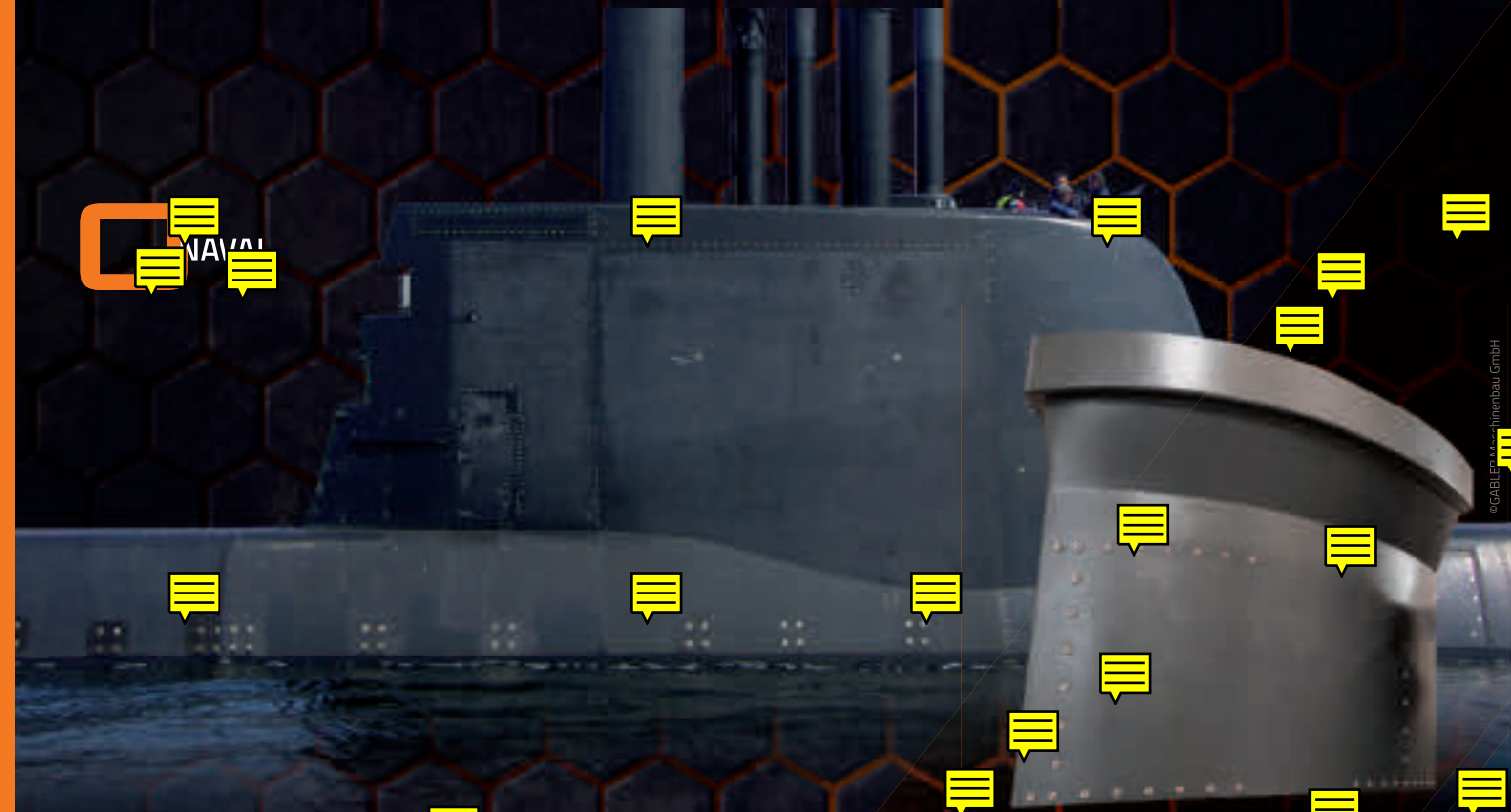
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### CU MEMBERS

Creating composites – inno-  
vative, inventive, inspiring

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## CUSTOM STEALTH TECHNOLOGY MADE IN GERMANY – WE MAKE MAST FAIRINGS INVISIBLE TO RADAR.

COMPOSYST has been designing its own **Radar-Absorbing Materials (RAM)** for over a decade, which enable submarines to remain largely undetected, even above the waterline:

- **Fairings** for steel mast structures to prevent detection by radar systems
- Complete development and manufacturing of **entire mast systems** made of FRP

### YOUR BENEFITS:

- **Tailor-made design** and own production of active radar-absorbing materials and structures
- Development and implementation of **lightweight components** in existing naval systems
- **Adapted geometry** and materials for radar-absorption
- Decades of **experience** with marine radar systems
- **Leading supplier** in the European market for radar-absorbing structures and materials
- **Cost reduction**
  - through **lower production costs**
  - through **weight savings**
- **Improved stability**

### LINESS COMPETENCE FOR YOUR BUSINESS

Our team of experts for lightweight will help you create the perfect composite structure for your needs:



**COMPOSYST**  
G M B H

[www.composyst.com](http://www.composyst.com)



## WEITERBILDUNG

Gemeinsam mit unseren Mitgliedern haben wir auch für 2026 ein umfassendes Angebot an Schulungen zusammengestellt – in Präsenz, online oder inhouse.

Die Seminare und Workshops richten sich an alle Mitarbeitenden aus den Bereichen Konstruktion, Simulation, Fertigung, Montage und Prüfung, ob sie nun bereits Erfahrung im Umgang mit Faserverbundbauteilen haben oder sich in diesem Bereich fit für die Zukunft machen wollen.

Wir freuen uns auf Ihre Anmeldung!

### UNSERE PARTNER



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SCAN ME