

ACTIVITIES REPORT

2025



Courtesy photo of Dragos (Acibadem Kent Hospital)



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METYX®



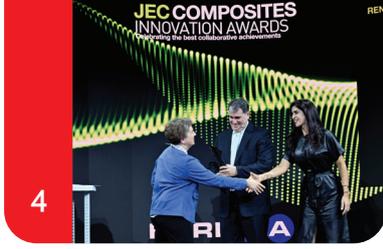


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Executive Letter

Dear Colleagues, Partners, and Friends,

2025 has been a demanding year for the global composites industry—and for METYX. Market volatility, cost pressures, and structural changes across key industries tested the resilience of many organizations. For us, this year clearly demonstrated that long-term success depends not only on scale or experience, but on the ability to adapt decisively in times of disruption.

One of the most challenging developments we faced was the exit of one of the world's largest wind energy OEMs from its operations in Türkiye, followed by its Chapter 11 filing in the United States. This situation had a direct impact on the supply chain and created a difficult operating environment. There is no question that this period required tough decisions, rapid adjustment, and strong internal discipline.



In navigating this disruption, innovation became our anchor. Rather than retreating, METYX chose to lean into its core strength: engineering-driven problem solving. Investments in R&D, process optimization, and new product development were not delayed—but reinforced. We firmly believe that innovation is not only a growth driver in good times, but the most reliable path forward in difficult ones.

Throughout 2025, our R&D efforts focused on areas that directly address today's challenges—renewable energy, lightweighting, circular economy solutions, and energy efficiency. These initiatives translated into tangible outcomes, including internationally recognized technologies and new product platforms designed to support our customers' competitiveness.

At the same time, sustainability remained a practical priority. Projects such as the solar energy investment at our Hungary facility strengthened operational resilience while reducing environmental impact—demonstrating that responsible manufacturing and efficiency can progress together.

Most importantly, this year reminded us that resilience is never built alone. In these challenging times, the support, flexibility, and trust of our customers and suppliers played a critical role. We would like to sincerely thank all our partners who stood by METYX, worked collaboratively, and shared the long-term perspective required to move forward together.

Looking ahead, we remain realistic about the environment we operate in. However, we are confident that a disciplined focus on innovation, engineering excellence, and strong partnerships will continue to guide METYX through uncertainty and toward sustainable value creation.

Thank you for your continued trust and support.

Besim Uğur Üstünel

METYX Group
CEO



Clean Energy, Clear Commitment: METYX Hungary Launches Solar Initiative

As global industries intensify their focus on sustainability and energy resilience, METYX has taken a significant step forward at its Hungary facility with the installation of a dedicated solar panel farm—a bold move that reflects the company’s long-term vision for greener operations and responsible manufacturing.

In just the first two months of operation, the newly installed solar array has already delivered impressive environmental impact:

- 93 tons of CO₂ emissions avoided – equivalent to the amount absorbed annually by 92 fully grown trees
- 73 tons of coal equivalent clean energy generated – without the harmful emissions and environmental toll

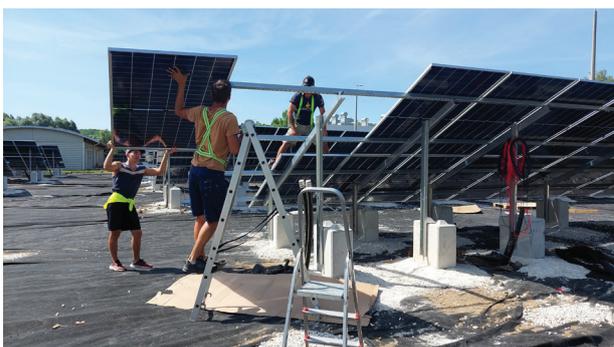
This milestone is more than a technological upgrade. It marks a strategic sustainability commitment to reduce the environmental footprint of production, lower operating costs, and strengthen supply chain responsibility. The initiative also

enhances METYX Hungary’s capacity to serve international partners with eco-conscious composite solutions that meet evolving regulatory and market expectations.

The solar panel field reinforces METYX’s belief that high performance and high responsibility go hand in hand. By investing in renewable energy infrastructure, the company not only improves operational efficiency but also sets an industry example in climate leadership and environmental stewardship.

For METYX, sustainability is not a buzzword—it’s an integrated principle. Whether through carbon reduction, material innovation, or circular manufacturing strategies, the company continues to align its growth with global sustainability goals.

As energy markets fluctuate and regulatory demands tighten, METYX Hungary’s solar transformation positions the facility—and its customers—for a more resilient and sustainable future.





JEC World 2025

Trade Show Activities 2025

In 2025, METYX proudly participated in a series of prominent trade shows and industry events, each celebrating the latest advancements and innovations in the world of composites. These platforms provided invaluable opportunities to connect with customers, distributors, and solution partners—while showcasing our cutting-edge technologies, technical textiles, and integrated services.

Beyond presenting new developments, these gatherings fostered strategic collaborations and allowed us to engage directly with industry leaders, share insights, and explore emerging trends. METYX's strong presence at these events reaffirmed our role as a trusted partner and a global player in the composites industry.

A key highlight this year was the North American Pultrusion Conference in Chicago, where our CEO delivered a presentation focused on composite innovation and material performance. During this event, METYX also introduced two of its latest product innovations—Matvantage PV and Matvantage Plus—engineered continuous filament mat (CFM) solutions designed specifically for high-throughput pultrusion applications.

Our CEO, Uğur Üstünel, also joined the “Future of Composites in Turkey” panel at the 6th International Polymeric Composites Conference, where he came together with representatives from Turkey's leading companies to discuss the future of the composites industry. The panel provided a valuable platform to exchange insights, explore opportunities, and help shape the strategic roadmap for composites in Turkey.

JEC World 2025

(Paris, France)

March 4 - 6

North American Pultrusion Conference 2025

(Chicago, IL, USA)

May 6 - 8

CAMX 2025

(Orlando, FL, USA)

September 8 - 11

METSTRADE 2025

(Amsterdam, Netherlands)

November 18 - 20



CAMX 2025

Planned events for 2026

JEC World 2026

(Paris, France)

March 10 - 12

EPTA Pultrusion Conference 2026

(Valencia, Spain)

March 5 - 6

CAMX 2026

(Atlanta, GA, USA)

September 21 - 24

METSTRADE 2026

(Amsterdam, Netherlands)

November 17 - 19



North American Pultrusion Conference 2025



International Polymeric Composite Symposium 2025

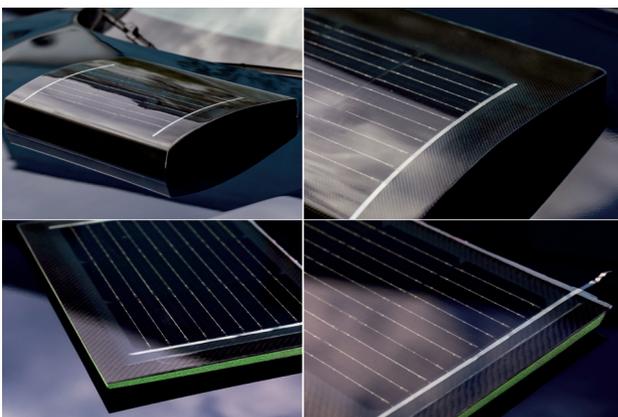


JEC Innovation Award for METYX's Composite Solar Panel Solution

METYX has been awarded first prize in the Renewable Energy category at the JEC Composites Innovation Awards 2026 for its groundbreaking project, "Composite PV Module for Vehicles." This achievement marks a major milestone in METYX's ongoing mission to drive sustainable innovation through advanced composite technologies.

The award, presented at the JEC World Premiere event in Paris on January 12, 2026, recognizes the project's impact in transforming solar energy integration for vehicles. METYX CEO Mr. Besim Uğur Üstünel personally accepted the award during the ceremony.

Held annually, JEC World is the leading global event for composite materials, bringing together innovators from across industries. The JEC Innovation Awards spotlight the most impactful and forward-thinking solutions in the field.



Developed by METYX, the "Composite PV Module for Vehicles" replaces conventional glass in solar panels with advanced composite materials, resulting in a significantly lighter, more durable, and flexible solution. Compared to traditional panels, this new generation of composite solar modules is:

- 50-80% lighter
- Highly resistant to impact and hail
- Adaptable to curved surfaces
- Maintains high optical transmittance for energy efficiency

These features make the solution especially promising for electric vehicles and sustainable mobility applications—where lightweighting and durability are critical.

Looking ahead, a prototype of the Composite PV Module will be featured at the Innovation Planet exhibition during JEC World 2026, offering attendees a close-up look at the potential of composites to power the future of mobility.





Shaping the Future Through R&D: METYX Expands Global Innovation Impact

Innovation and a strong research culture continue to form the foundation of METYX's long-term success. In 2025, the company's R&D Center demonstrated its multi-dimensional impact not only through project execution, but also with patent development, scientific engagement, industrial collaboration, and structured R&D governance—advancing the company's strategic vision for the future.

Throughout the year, METYX's R&D initiatives focused on priority areas such as green transformation, renewable energy, lightweighting, and circular economy. As part of the TÜBİTAK 1832 Green Transformation in Industry Program, METYX developed advanced solutions including composite PV modules for vehicle integration and technologies to upcycle non-recyclable production waste into high-value composite products. These projects made direct contributions to the company's goals in sustainable manufacturing and energy efficiency.

Parallel to these efforts, METYX submitted several international EUREKA project applications targeting thermoplastic composite technologies for vehicle lightweighting and recycling-based composite solutions. A Horizon Europe proposal further reinforced METYX's global R&D vision in sustainable mobility and advanced composite technologies through strategic international collaborations.

The company also expanded its focus on traceability and digitalization in composite manufacturing, implementing R&D projects that improve process efficiency and transparency. These digital tools enabled the integrated management of project portfolios, ideas, patents, publications, and event participation.

METYX's commitment to innovation was further reflected in its academic outreach, with active participation in scientific conferences, technical presentations, and published research—enhancing the academic and industry visibility of its R&D output.

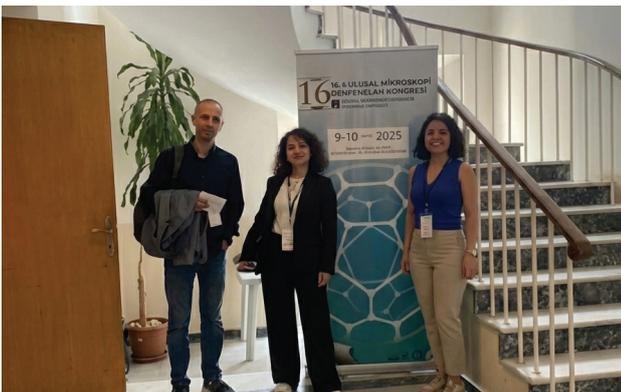
All novel technologies developed were protected through METYX's intellectual property strategy, spanning a wide technological spectrum. These include:

- Recycled thermoplastic foam core and sandwich composite structures
- Multi-layer textile architectures with continuous fiber reinforcement
- Polymer-based composites with electromagnetic shielding properties
- Functional surface treatments for enhanced performance

This broad innovation scope supports the industrial scalability and long-term sustainability of METYX's technologies.

University and industry collaborations remained a cornerstone of the company's innovation ecosystem. These partnerships accelerated knowledge transfer while reinforcing METYX's multidisciplinary research culture.

Finally, METYX's renewable energy-focused R&D achievements gained international recognition, reaffirming the global reach and influence of the METYX R&D Center on sustainable technology development.





Atabey Preschool

We visited our contributor schools to present appreciation certificates and thank them for their support.



Doruk College

Our Journey of Sustainability and Global Compliance

The year 2025 has been a period in which METYX has transformed sustainability into an integral part of its business model, strengthening its environmental and social responsibilities in alignment with global developments. We continue to bolster our operational strength with a sustainability approach aimed at creating long-term value.

A Strategic Step in Compliance with the Green Deal

By qualifying for support under the RESPONSIBLE® – Green Deal Compliance Program conducted by the T.R. Ministry of Trade, we have taken a significant step toward adapting to the rapidly changing expectations in global trade. We aim to maintain our competitiveness in export markets on a sustainable basis by closely monitoring new trade conditions shaped within the framework of the European Green Deal and the Carbon Border Adjustment Mechanism (CBAM)

Looking Ahead: 2026 Roadmap

Following the preparatory work carried out throughout 2025, we will initiate Current Situation Analysis and Sustainability Strategy studies starting in 2026 to bring our sustainability efforts into a more systematic structure. This process will mark a major turning point in METYX's sustainability journey.



Gazi Elementary School

We visited our contributor schools to present appreciation certificates and thank them for their support.

Environmental Contribution Creating Social Benefit

METYX prioritizes projects that combine environmental responsibility with social benefit. In collaboration with the Spinal Cord Paralytics Association of Turkey (TOFD), we served as an official collection center for a plastic bottle cap campaign. We exceeded our 750 kg target by collecting a total of 800 kg of plastic waste, enabling the acquisition of a wheelchair and directly impacting an individual's life.

As a token of our gratitude, we present "Certificates of Appreciation" to all teams who collect and deliver caps to us. Furthermore, we personally visit participating schools to collect their contributions, using these opportunities to engage with students and strive to raise environmental awareness.



Gazi Elementary School



Our employees contributing to sustainability through hands-on upcycling activities at our Manisa facility.

Environmental Awareness Strengthened by Employee Participation

To ensure sustainability becomes a part of our corporate culture, we implement practices based on the active participation of our employees. The Plastic Workshop held at our Manisa facility allowed our employees to gain hands-on experience with the upcycling approach.



Responsible Governance and Sustainable Value Creation

METYX supports sustainable success through a strong governance mindset and responsible business practices. We aim to create long-term value by basing our corporate processes on transparency, ethics, and accountability. While maintaining our Bronze Medal status within the international sustainability rating platform EcoVadis, we continued to improve our practices, particularly in sustainable supply chain management.

Equal Opportunity and Inclusive Work Culture

METYX positions the creation of a fair and inclusive working environment for all employees among its corporate priorities. With our Gender Equality Plan (GEP) covering the 2025–2027 period, we aim to strengthen equal opportunity in all human resources processes, from recruitment and career development to compensation and leadership representation. This plan commits to expanding practices that support an inclusive corporate culture and systematically integrating the principle of equality into corporate policies.





New Product Launches 2025

In 2025, METYX introduced a range of next-generation composite reinforcement solutions developed to meet evolving industry demands for speed, quality, and sustainability. Each product reflects METYX's commitment to engineering excellence and process optimization across key sectors such as pultrusion, automotive, renewable energy, and construction.

High-Performance CFM Solutions for Pultrusion

Developed specifically for pultrusion applications, METYX's latest Continuous Filament Mat (CFM) offerings—Matvantage PLUS and Matvantage PV—bring measurable improvements in processing efficiency, product consistency, and mechanical performance..

MATVANTAGE PLUS

A stitch-bonded, binder-free CFM designed for reliable performance on fast-moving pultrusion lines:

- Zero binder structure supports cleaner processing and higher line speeds
- Excellent dry tensile strength for dimensional stability in narrow or complex shapes
 - Delivers uniform weight distribution and smooth handling
- Compatible with Polyester (UP), Vinyl Ester (VE), and Epoxy (EP) resins

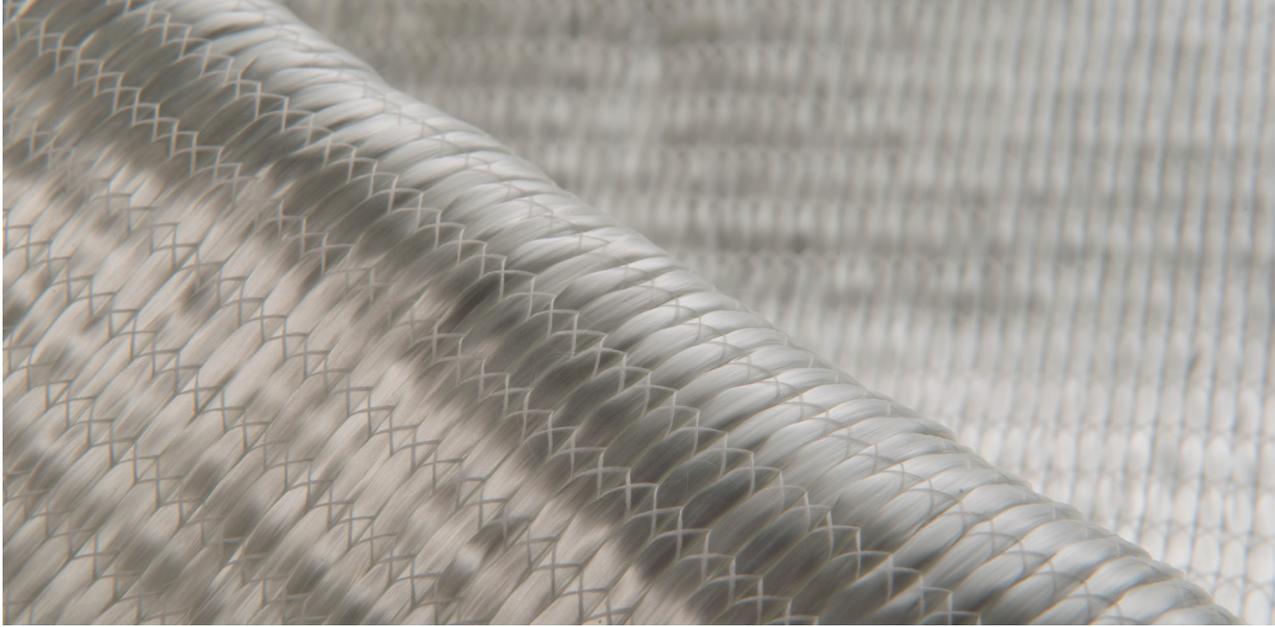
MATVANTAGE PV

An enhanced version of Matvantage PLUS featuring an integrated surface veil layer:

- Designed for outdoor pultruded profiles requiring UV resistance and surface aesthetics
- Improved weatherability and surface finish without the need for secondary coating
- Offers structural and visual performance in one engineered layer

Together, these products enable manufacturers to produce lightweight, durable, and visually refined pultruded components, helping to reduce cycle time and enhance end-use performance.





METYBOND

Self-Adhesive Reinforcements for Efficient, Cleaner Layups

Also launched in 2025, METYBOND is a new generation of self-adhesive reinforcement fabrics developed by METYX to simplify layup operations and improve production speed—especially in closed-mold composite processes such as RTM, Light RTM, Vacuum Infusion, and VAP.

Built upon the same trusted base textiles as METYX's standard reinforcements, METYBOND includes a precision-applied adhesive layer on one or both sides, providing a strong yet repositionable bond without the need for spray adhesives

Key Features:

- Available in E-glass, H-glass, and Carbon woven or non-crimp fabrics (NCF), as well as CSM and hybrids

- Adhesive weight: 8–10 g/m² standard (adjustable up to 25 g/m²)

- Delivered in roll form or custom-kitted formats with release foil

- Compatible with Polyester (UP), Vinyl Ester (VE), and Epoxy (EP) resin systems

- Enables automated tape-laying, offering a clean, accurate application for high-curvature or vertical molds

- Reduces VOCs and overspray associated with traditional bonding methods

With METYBOND, manufacturers benefit from faster layup cycles, greater process consistency, and a safer, cleaner work environment—all while maintaining high mechanical performance in the final composite part.

MEET METYBOND

Self-adhesive reinforcement designed to simplify composite layup, shorten cycle times.



The Name's Bond. METYBOND.

For composite layups, not secret missions



iKon in Name, Iconic in Building Bass Boats

Founded in Madisonville, Tennessee, iKon Boats is an emerging name in the bass boat segment of the marine industry. In just three years, the company has made a strong impression with its focus on performance, innovation, and production efficiency—setting out to redefine expectations in modern fishing boats.

To support its growth and meet increasing demand, iKon Boats turned to METYX for a streamlined lamination solution. By adopting pre-cut fiberglass kits, the company significantly reduced lay-up times, allowing for faster and more consistent production cycles across its manufacturing operations.

This shift not only improved output speed, but also enabled iKon Boats to optimize labor resources, minimize material waste, and enhance the repeatability of each build—critical

factors in scaling marine production while maintaining quality.

“Metyx has been a great partner with iKon Boats and has made any transitions and changes as seamless as possible,”
— iKon Boats Team

The collaboration showcases how METYX’s custom kit-cutting services can unlock real-time benefits in boatbuilding environments—offering tailor-made reinforcement solutions that align with evolving manufacturing needs.

With METYX’s support, iKon Boats continues to deliver premium bass boats while accelerating its path toward becoming a recognized leader in the American recreational marine market.





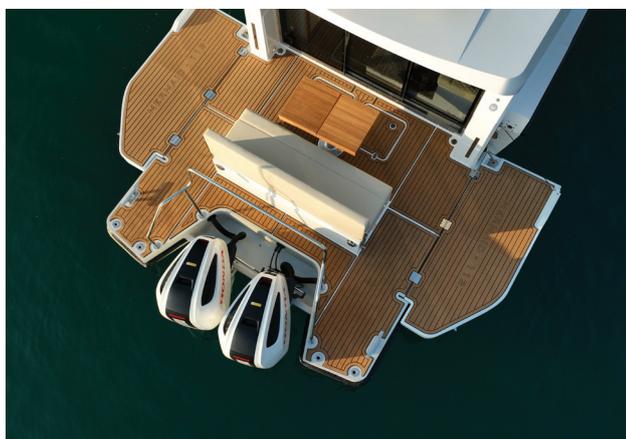
Merma Marine: Trusted Craftsmanship in Composite Yacht Manufacturing

Established in 2023 in Turkey's Mediterranean region, Merma Marine may be a young name, but it is built on over 17 years of composite engineering and boatbuilding experience. Specializing in the production of high-performance and comfort-oriented motor yachts, the company operates at the intersection of engineering precision and modern manufacturing.

Merma Marine's core expertise lies in vacuum infusion technologies. Whether building GRP epoxy sandwich yachts or 12-meter full carbon export boats, the company consistently delivers on demanding laminate quality, weight control, and production reliability standards. Their advanced composite constructions—based on either glass fiber or carbon fiber—are infused using epoxy resin systems, ensuring structural performance and aesthetic refinement.

More than just a manufacturer, Merma Marine also provides expert consultancy services in:

- Structural composite engineering
- Project management for composite yacht programs
- Production and process management, with a focus on vacuum infusion and serial composite manufacturing



To support this high-performance output, Merma Marine relies on METYX's multiaxial reinforcements:

- $\pm 45^\circ$ and $0/90^\circ$ E-glass fabrics
- Carbon fiber multiaxial fabrics for export-based, customer-designed boats
- Quadraxial and biaxial stitched reinforcements tailored for infusion processes

METYX products were selected for their proven compatibility with epoxy vacuum infusion, predictable resin flow, and consistent fiber architecture—crucial for repeatable results in serial production and international quality standards.

With METYX as a materials partner, Merma Marine continues to raise the bar in composite boatbuilding—combining engineering-driven execution with materials that perform at every level of production.





Acibadem Kent Hospital

Composite Vision in Modern Architecture

The use of composites in architecture and construction continues to expand—thanks to their design flexibility, lightweight nature, and durability. These advantages are inspiring architects and engineers to explore new possibilities in structural and aesthetic applications.

METYX has become an increasingly prominent contributor to this trend, with its composite solutions featured in a wide range of architectural projects. One recent example is the newly opened Acibadem Kent Hospital in İzmir, where custom column plug and mold systems were designed and manufactured at our Manisa facility, in collaboration with Dragos.

As part of the hospital's contemporary lobby design, a total of 10 elliptical composite column claddings were produced to surround the structural concrete columns. These specialty coverings were tailored to both the technical constraints and the visual identity of the interior space, delivering a seamless blend of function and form.

To meet the geometric precision required for the project, all plugs and molds were CNC-machined at the METYX Manisa plant. The final composite components were manufactured using E-glass reinforcements by METYX.

Despite the challenging construction timeline and environmental constraints, the columns were produced, delivered, and installed on time, with complete alignment to project specifications. This collaboration between METYX and Dragos highlights how composite materials can bring ambitious architectural concepts to life—delivering long-term durability, aesthetic excellence, and engineering confidence.





Pushing Limits: Ruso Yakimovič Shines at IRONMAN Hamburg 2025

What a race at IRONMAN Hamburg 2025! Amid thunder, rain, and drenched roads, METYX-sponsored triathlete Ruso Yakimovič delivered a career-best performance—crossing the finish line in 8 hours and 43 minutes, including an exceptional 2:56 marathon.

This achievement wasn't just about endurance; it was about resilience, precision, and mental strength—values that resonate deeply with us at METYX. From his transition strategy to his focus under pressure, Ruso's race embodied the very mindset we apply to high-performance composite solutions: no shortcuts, no compromises—just discipline and results.

As a proud sponsor, we supported Ruso throughout his journey to Hamburg, and we celebrate not only the podium potential but the spirit of continuous improvement he exemplifies. His ability to overcome the elements and push personal limits mirrors the innovation-driven culture at METYX.

"This race was about more than fitness—it was about being focused when it mattered most," said Ruso.

Congratulations, Ruso! We're inspired by your grit and honored to support your pursuit of excellence.





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