

# ACTIVITIES REPORT

# 2023



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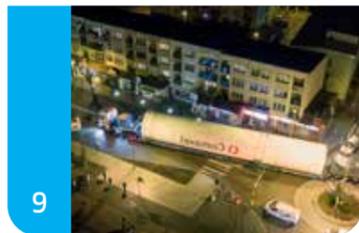
**METYX**®



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## Executive Letter

Dear Customers, Colleagues, and Friends,

As we reflect on 2023, a year of significant achievements and challenges, I am proud to share with you the strides we have made at METYX. Despite a complex global economic landscape, our commitment to innovation, sustainability, and growth has never been stronger.

### METYX's Notable Achievements in National Rankings

In 2023, METYX proudly achieved significant recognition in the Turkish business community. According to the "Turkey's Top 1000 Exporters in 2021" report by the Turkish Exporters Assembly (TEM), we were ranked as the 715th largest exporter in Turkey. Additionally, the Istanbul Chamber of Industry (ICI) in their "Turkey's Top Industrial Enterprises" report, placed us at the 570th position. It's an honor for METYX to be listed among the top companies in Turkey, reflecting our steadfast commitment to excellence and our substantial contribution to the nation's economy. These accolades serve as a testament to our team's hard work and dedication."

### Expanding Our Capabilities and Facilities

In 2022, METYX proudly expanded our operational footprint with the addition of two state-of-the-art facilities at our Manisa campus, enhancing our capacity and service capabilities significantly. As we progressed through 2023, these facilities, METYX 2 and METYX 3, have become fully functional, each serving distinct and vital roles in our operations. METYX 2 is now fully operated, focusing on plug and mold production, and catering to our pultrusion activities for wind energy customers. This facility also doubles as a warehouse, supporting our logistical needs. Meanwhile, METYX 3 has become operational primarily as a warehouse, enabling us to streamline our logistics further and maximize customer satisfaction. These developments mark a significant milestone in our growth journey, allowing us to serve our expanding customer base more efficiently and effectively.

### Innovation and Recognition

We are thrilled to share that our adventure truck body that we did for our US customer GXV has been nominated as a finalist in the ACE Composites Excellence Awards, a testament to METYX's innovation and technological prowess.

### Investing in Our Global Presence

In the year 2023, METYX witnessed substantial advancements in its operational capabilities, particularly in the Hungary and USA facilities. The Hungary facility underwent a significant

upgrade with the installation of two advanced multi-axial machines, complemented by a warper and woven machines. Additionally, a new 590 sqm platform was constructed to enhance productivity within the technical textile unit. A strategic reorganization of the main CNC hall was also executed to optimize workflow and increase productivity.

Meanwhile, METYX USA demonstrated remarkable progress in production efficiency, achieving an average Efficiency Rate of 70%, a notable increase from the previous range of 40%-50%. This improvement was largely attributed to the implementation of PlanX, a Continuous Improvement initiative focused on deriving savings from process and equipment enhancements. This initiative is a testament to METYX USA's dedication to continuous development and innovation in its operations.

### METYX Composites Summit and Community Engagement

We are excited to announce the 6th METYX Composites Summit in 2024, a platform for knowledge exchange and industry expansion. This event in Izmir and Manisa will feature global experts sharing their case studies and training partnerships with Composite Integration. Our commitment extends to our local communities as well, as demonstrated by our sponsorship of the Kapos Sport Röplabda Kft women's volleyball team in Kaposvár.

### Our ESG-Focused Journey

Over the past year, our company has made significant strides in sustainability, reinforcing our commitment to this crucial area. We've launched various strategies and projects to lessen our environmental, social, and economic footprints. As we publish our inaugural sustainability report in 2024, we recognize that this journey is just beginning and will demand greater innovation, collaboration, and dedication. Importantly, our efforts have led to a notable achievement: our EcoVadis rating has surged by 18 points in 12 months, a clear indicator of our team's unwavering dedication and hard work. This progress not only marks a milestone for our company but also underscores our ongoing commitment to making a meaningful impact in sustainability, both internally and in the broader society.

In closing, I extend my heartfelt gratitude to our customers, partners, and distributors. Your support fuels our determination to grow and innovate. Together, we will continue to navigate the challenges ahead and seize the opportunities that lie in our path.

**Thank you for being a part of our journey. Here's to a successful and collaborative 2024!**



**Besim Uğur Üstünel**  
CEO  
METYX



## METYX USA Updates

### METYX USA: A Year of Triumph and Transformation in 2023

As we reflect on the past year, it's clear that 2023 was a remarkable period of growth and achievement for METYX USA. Despite facing numerous challenges, the company not only persevered but also achieved significant milestones, setting a new benchmark for its future endeavors.

#### A Commitment to Safety and Employee Well-being

One of the most notable accomplishments of METYX USA in 2023 was achieving Zero LTIR (Lost Time Injury Rate). This milestone, a first in the company's history, is a testament to the meticulous efforts of the Safety & Training Coordinator and all operational staff. Prioritizing the safety of our employees, METYX USA has consistently strived to provide a secure and healthy work environment, and this achievement underscores that commitment.

#### Human Capital: The Core of Success

From a Human Capital perspective, the year was marked by a significant reduction in the attrition rate, which plummeted from an 18% monthly average in previous years to just 4%. This remarkable change is indicative of a high satisfaction rate among employees and sets the stage for a productive and stable future. METYX USA firmly believes that its greatest asset is its Human Capital, and this belief is reflected in the carefully selected, talented group of employees who are the foundation of the company's future success.

#### Production and Efficiency: Leaping Forward

In terms of production, METYX USA witnessed a substantial increase in its Efficiency Rate, averaging 70%, a significant jump from the 40%-50% rates of previous years. This achievement can be attributed to the dedicated leadership in

the Production department, whose resilience and teamwork have been instrumental in reaching this milestone.

#### Inventory Management: Achieving New Heights

The company also saw remarkable improvements in Inventory Accuracy, which soared from 93.3% to an impressive 99.7%. Additionally, the Inventory Days Outstanding dramatically decreased from 48 days at the beginning of the year to just 16 days by December. This success is a collective effort of the Warehouse, Procurement, and Finance teams, showcasing exceptional teamwork and efficiency.

#### Innovative Initiatives: PlanX and Beyond

2023 also marked the introduction of PlanX to the facility, a Continuous Improvement initiative aimed at capturing savings from process or equipment improvements. This initiative is a clear indication of METYX USA's commitment to ongoing development and innovation.

#### Looking Ahead: A Bright Future in 2024

With the successful commissioning of two new machines to increase production capacity, METYX USA is poised for another outstanding year in 2024. The team, fueled by the successes of the past year, is looking forward to achieving even higher expectations and results.

In conclusion, 2023 was a year where METYX USA not only faced challenges head-on but also used them as stepping stones to reach new heights of success. The story of METYX USA is one of resilience, innovation, and unwavering commitment to excellence, setting a promising trajectory for the years to come.



## METYX HUNGARY Updates

### METYX Hungary's Latest Developments: Layout Changes and Platform Construction Enhance Production Capabilities

In a significant stride towards enhancing its production capabilities, METYX Hungary has recently completed the construction of a new platform and implemented crucial layout changes. This development has resulted in an additional 1,100 square meters of covered area in textile production spaces, thanks to the new platform construction that spans 720 square meters.

The expansion includes the installation of two 100" multiaxial looms, a weaving loom, a warping loom, and a specially designed isolated packaging area for textile products. These additions have notably enhanced the company's ability to produce in a 0° direction, broadening the product range while increasing flexibility and capacity.

The layout changes have been strategically executed to optimize material flow and efficiency in CNC machine operations. Additionally, the introduction of a fabric cutting machine in the second building supports GFRP production, further increasing capacity and minimizing material transfers between buildings. This reorganization has led to a substantial reduction in material handling, particularly for production.

In the technical textiles sector, the activation of two 100" multiaxial looms and a weaving loom has not only resulted in a significant capacity increase but also in faster service delivery, especially to European customers. The new weaving loom, in particular, offers a vital alternative for European clients in need of carbon weave fabrics. The introduction of the warping loom has reduced external dependencies and enhanced flexibility.

On the core material front, the activation of a PVC slicing machine has expedited service to European clients. Additionally, a special fabric cutting machine has been launched, contributing to both capacity and efficiency increases.

Throughout the year, METYX Hungary has undergone several critical inspections by customers, all of which have been successfully completed. These inspections have opened doors to collaborations with some of the most prominent players in the industry.

With all these changes, METYX Hungary is committed to continuing its efforts to meet customer demands for high-quality products delivered efficiently and promptly. The company's recent developments are a testament to its dedication to innovation and customer satisfaction in the dynamic world of textile production and composite.



## METYX ESG-Focused Journey

In 2023, METYX took significant steps in the field of sustainability, strengthening its commitments in this area. It implemented a series of strategies and projects aimed at reducing environmental, social, and economic impacts. The process began with a situational analysis to assess the company's performance in environmental, social, and governance areas. Additionally, stakeholder opinions were gathered, and priorities were determined by integrating feedback from stakeholders into the strategy. An initial materiality analysis was carried out with a four-stage approach, consisting of impact assessment and creating a sustainability matrix. A sustainability prioritization matrix was developed in accordance with the requirements of the Global Reporting Initiative (GRI), using all inputs collected through surveys and impact assessments. The matrix was divided into priority and high-priority issues to establish a threshold for the relative importance of sustainability topics. After combining projects with significant (material) issues, focus was placed on four strategic core topics: Social Goals, Product Innovation, Environmental Values, and Governance Structure.

Simultaneously, sustainability-focused improvements were integrated into all processes from performance evaluations to training policies as part of the review of Human Resources processes. Various inhouse campaigns were organized to increase sustainability awareness within the company culture. Appropriate methods were identified for carbon measurements and implemented globally. The carbon footprint created within Scope 1 and Scope 2 was calculated, and data collection and consolidation processes were standardized across the company. Emission factors and reduction strategies were evaluated by defining operational boundaries. The METYX Group 2023 Sustainability Report will be published in the first quarter of 2024, sharing how each step was implemented and what the results were.

The steps taken in 2023 have laid a solid foundation for the company to reach its sustainability goals. However, this is just the beginning, requiring more innovation, collaboration, and effort in the upcoming period. The steps towards a sustainable future are believed to create a difference both within METYX and in society.

## METYX Leads the Way in Environmental Responsibility with Innovative PET Recycling Initiative

In the arena of sustainable manufacturing, METYX has established itself as a frontrunner with its groundbreaking PET Recycling Project. This initiative is a testament to METYX's commitment to creating a culture of production and consumption that prioritizes environmental and human respect, efficient resource utilization, and positions recycling as a crucial element in economic and environmental management.

The PET Recycling Project at METYX focuses on repurposing the Polyethylene terephthalate (PET) waste generated from the production processes in their Corekit department. This endeavor is not just about waste management; it's a strategic move towards circular economy principles, highlighting METYX's dedication to reducing its ecological footprint.

Key goals of the project include:

1. Aligning with both corporate and global sustainability objectives.
2. Cutting down on disposal costs, thereby promoting economic efficiency.
3. Converting scrap materials back into valuable raw materials.
4. Enhancing overall sustainability in the company's operations.

The recycling process implemented by METYX is both innovative and practical. PET waste from the company's facilities undergoes a transformation process where it is first broken down into small chips using a specialized crushing machine. These chips are then converted into granules, which find new life across various industries, including Textiles, Packaging, Transportation, and Construction.

The impact of this initiative is significant. Through the PET Recycling Project, METYX not only exhibits responsible stewardship of the environment but also achieves remarkable ecological benefits. The project successfully prevents the cutting of approximately 1,000 trees annually and reduces carbon emissions by a staggering 28 million kg each year.

METYX's approach to recycling and sustainability sets a benchmark in the industry, demonstrating that environmental responsibility can go hand-in-hand with economic progress. This project not only reinforces METYX's role as an environmental steward but also inspires other companies to adopt similar sustainable practices in their operations.



Raw Material (PET composed of 100% Polyester)



Scraps coming out of the process



Fiber



Granules



JEC World 2023



CAMX 2023

## Trade Show Activities 2023

In 2023, METYX actively participated in various trade shows and events that showcased the latest innovations and technical advancements in the composite industry. These events provided an invaluable platform for METYX to engage directly with its customers, distributors, and solution partners. These gatherings served not only as opportunities for METYX to demonstrate its cutting-edge developments but also as moments to strengthen relationships and foster collaborations within the industry.

### JEC World 2023

(Paris, France)

April 25-27

### North American Pultrusion Conference

(Chicago, USA)

May 16-18

### 7th Izmir Wind Symposium

(Izmir, Turkey)

September 21-22

### IBEX 2023

(Tampa FL, USA)

October 3-5

### CAMX 2023

(Atlanta, USA)

October 30 - November 2

### 12th Turkish Wind Energy Congress

(Izmir, Turkey)

November 7-8

### METS 2023

(Amsterdam, Netherlands)

November 15-17

### AMI Wind Turbine Blade Manufacturers Conference

(Düsseldorf, Germany)

December 12-14



North American Pultrusion Conference



7th Izmir Wind Symposium



METS 2023



AMI Wind Turbine Blade Manufacturers Conference 2023

## Planned events for 2024

### EPTA Pultrusion Conference

(Hamburg, Germany)

February 29 - March 1

### JEC EUROPE 2024

(Paris, France)

March 5-7

### IBEX 2024

(Tampa FL, USA)

October 1-3

### CAMX 2024

(San Diego, USA)

September 9-12

### METS 2024

(Amsterdam, Netherlands)

November 19-21

### Meet4Composite

(Istanbul, Türkiye)

October 10-12



## METYX Welcomed New Distributors in 2023: BÜFA Composite Systems Germany/Switzerland and Neotex Greece.

In an exciting development for the composite industry, METYX has announced its strategic collaborations with BÜFA Composite Systems in Germany and Switzerland and Neotex in Greece in 2023. These partnerships are set to significantly broaden METYX's reach in these key European markets.

BÜFA Germany/Switzerland and Neotex Greece are positioned to serve as local hubs for METYX, offering not just a stock of its extensive product range but also providing crucial technical assistance. This collaboration means that products like METYCORE, METYCORE FS (Fire Shield), METYCORE MAX, METYCORE MAX FS (Fire Shield) RTM glass reinforcement fabrics, along with a variety of E-glass, carbon fiber, hybrid multiaxial and woven fabric reinforcements, and non-woven surface veils, will be more readily available. This initiative ensures that the local markets will have swift and reliable access to METYX's comprehensive product offerings, tailored to meet the specific demands of these regions.

The significance of these partnerships extends to the clientele of both distributors. Companies engaged in producing composite parts for industries such as automotive, rail

and commercial vehicle, construction, sanitary, tank and pipeline construction, boat building, and even swimming pool manufacturing will now have access to the exceptional quality and value of METYX's technical textile products. Additionally, METYX's expertise in core and fabric kitting and tool making services will be an added advantage for these industries.

Bahattin Şendoğan, the Sales Director (Europe) for METYX, expressed optimism about the potential of these partnerships. "We are confident that these collaborations will grow and bring extensive benefits to the local composite industry in the foreseeable future," said Şendoğan. This statement highlights METYX's commitment to not only expanding its market presence but also to contributing positively to the growth and development of the composite industry in these countries.

As METYX strengthens its foothold in Germany, Switzerland, and Greece through these strategic partnerships, the composite industry in these regions is set to witness a new era of innovation and quality, powered by METYX's renowned products and services.



## Revolutionizing the Turkish Wind Power Industry: Bergolin and METYX Forge a Strategic Alliance



In a move set to transform the Turkish wind power industry, Bergolin GmbH & Co. KG, a frontrunner in coating solutions for composite materials, has joined forces with METYX. This strategic collaboration aims to enhance the efficiency and service of wind turbines across Turkey through the provision of top-tier coating products.

Bergolin, a German company acclaimed for its high-quality coating products for composite materials, has found a strong representative in METYX. With decades of expertise and technical acumen, Bergolin has established itself as a leader in its field. This new partnership with METYX, a global powerhouse in the composites industry for over 20 years, marks a significant leap forward. METYX's deep-rooted experience and knowledge of the Turkish market make this alliance particularly promising.

The formal announcement of this exciting collaboration was made at the Izmir Wind Symposium on September 21 and 22. This partnership is poised to be a game-changer for wind turbine operators in Turkey. The critical role of coating in both the manufacturing and repair of composite materials is pivotal in enhancing the durability and performance of wind turbines. Bergolin's superior coating products will shield turbine blades from the harsh impacts of extreme weather and environmental elements, leading to longer maintenance intervals and reduced repair downtimes.

Dr. Matthias Otting, Managing Director at Bergolin, expressed his enthusiasm for the partnership. "Teaming up with METYX allows us to bring a comprehensive suite of first-class coating solutions to the Turkish wind power industry. We are confident

that this collaboration will significantly elevate the servicing standards of wind turbines in Turkey and bolster the success of various projects in this arena."

Adding to this sentiment, Bahattin Sendogan, Sales Director EU of METYX, emphasized the value of this alliance. "Our partnership with Bergolin represents a crucial step in enhancing our offerings to the wind power sector. Bergolin's high-quality coating products perfectly complement our existing composite solutions. We are optimistic that this collaboration will positively influence the performance and longevity of wind turbines in Turkey."

This strategic partnership between Bergolin and METYX is more than a business venture; it's a commitment to advancing the efficiency and sustainability of the wind power industry in Turkey, paving the way for a more robust and resilient energy future.





## METYX's Trailblazing Innovation Earns Finalist Spot at the Prestigious CAMX ACE Awards

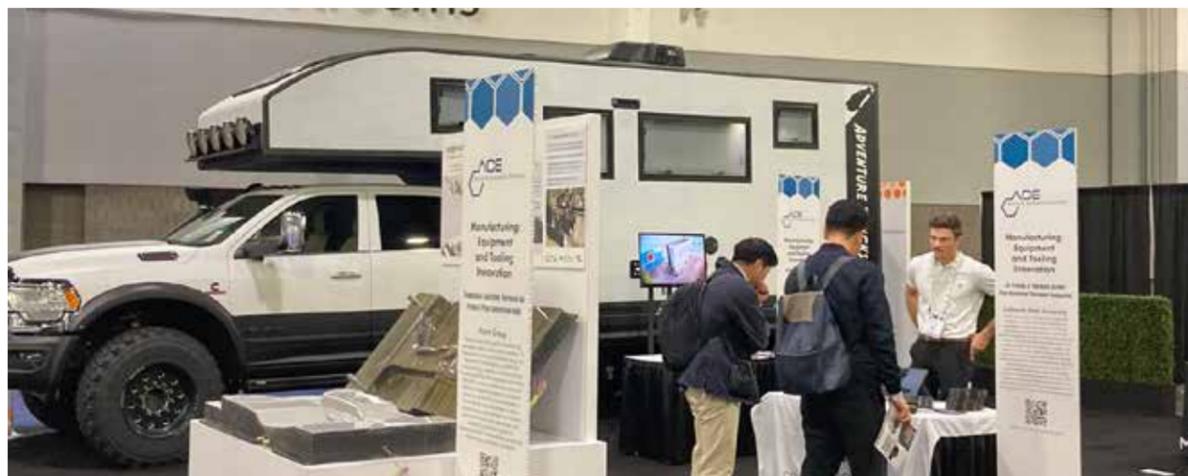
In the dynamic world of composite solutions, METYX has once again demonstrated its prowess and innovative spirit by securing a finalist position at the esteemed CAMX Awards for Composites Excellence (ACE). Participating in the 2023 edition under the category of Manufacturing: Equipment and Tooling Innovation, METYX showcased its groundbreaking Multi-Piece Tool for a Single Piece Part, created for Global Expedition Vehicles – Adventure Trucks.

This prestigious accolade at the ACE competition, held during the CAMX – the Composites and Advanced Materials Expo, marks a significant milestone for METYX. CAMX is renowned as North America's largest and most comprehensive event in the composites and advanced materials sector, making this recognition particularly noteworthy.

The vehicle, a testament to METYX's innovative capabilities, was also prominently displayed at the CAMX ACE Awards Pavilion, drawing attention from industry professionals and enthusiasts alike.

Stephen Misencik, the Chief Technology Officer (CTO) of METYX and the project leader, expressed the team's collective pride and gratitude. "Becoming a finalist in this competition, a benchmark for outstanding achievements and innovations in technology, production, and product development, is a moment of immense pride for us," said Misencik. He further extended heartfelt thanks to everyone who contributed to this project, underscoring the collaborative effort behind this achievement.

METYX's success at the CAMX ACE Awards is not just a recognition of a single project but a reflection of the company's ongoing commitment to innovation and excellence in the field of composite solutions. This accomplishment serves as an inspiration to the entire industry, highlighting the importance of continual innovation and advancement in technology. As METYX looks forward to future endeavors, its role as a leader and innovator in the composites sector remains firmly established.



## Join the Leading Edge of Composite Technology at METYX Composites Summit 2024 – Unmissable Industry Insights Await!

The METYX Composites Summit 2024 is poised to be a pivotal event in the composites industry, marking its sixth edition with an unparalleled blend of innovation, expertise, and networking. The summit, which first made its mark in 2007, promises an exciting and enriching experience from May 13 to 16, 2024, in the dynamic settings of Izmir and Manisa.

As the countdown begins, METYX is diligently preparing to unveil an event that encapsulates both a comprehensive conference and hands-on training sessions. This summit is not just an event; it's a journey through the latest advancements and practices in the composites sector.

### Conference and Training: A Dual Thrust Approach:

The METYX Composites Summit distinguishes itself with a two-pronged agenda. The first segment, a composites conference, will be hosted at the Izmir Kaya Thermal Hotel on May 13-14. Here, participants will gain insights from the success stories of leading companies and industry pioneers, offering a guiding light for innovation and growth.

The second segment shifts gears to practical, hands-on training, focusing on infusion, RTM (Resin Transfer Molding), and silicon bagging techniques. This training, in collaboration with Composites Integration, is meticulously designed to cater to both theoretical knowledge and practical application, making it an invaluable opportunity for professionals at all levels.

**Who Should Attend?** The summit is tailored to accommodate a wide range of participants - from novices in the industry to seasoned professionals looking to stay abreast of the latest technologies and methods.

### A Closer Look at the Program:

• **Composites Conference:** Delve into the latest manufacturing techniques, case studies, and best practices from a roster of industry experts.

• **Direct Resin Infusion Training:** This segment caters to all levels, offering a comprehensive look at infusion techniques, including practical demonstrations, technological updates, process techniques, and troubleshooting.

• **RTM Training:** Experience the forefront of RTM technology with a program that covers everything from the fundamentals to advanced methods, including pattern and tool design, materials, tool heating methods, and practical demonstrations.

• **Silicone Bagging:** A focus on the utility and design of silicone bags, augmented by practical demonstrations and case studies.

### Join the Summit

The METYX Composites Summit 2024 is more than an event; it's a gateway to mastering the composites industry. For further information or to register, visit [www.metyx.com](http://www.metyx.com) or contact [metyxsummit@metyx.com](mailto:metyxsummit@metyx.com). Don't miss this chance to be part of an event that's shaping the future of composites!



## Precision Crafted: The Cutting-Edge Mold and Plug Production of METYX

METYX stands as a complete solution partner in the composite industry, renowned for its advanced capabilities in mold and plug production. Operating from state-of-art facilities in Manisa, Turkey, and Kaposvar, Hungary, METYX specializes in crafting large-scale, bespoke tooling solutions. Their extensive services encompass everything from intricate design and engineering support to the manufacturing of master plugs and Fiber Reinforced Polymer (FRP) molds. METYX's commitment to quality and precision is reflected in their diverse applications, including wind blade components, boat hulls and decks, automotive & transportation tooling, and complex architectural projects.

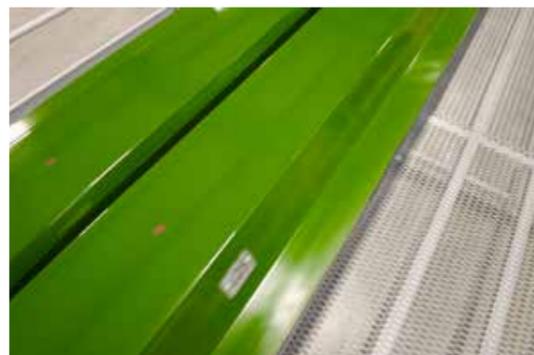
The production process starts by modeling 3D data received from

customer, using a 10-meter workbench and 5-axis machine to create precise product replicas. Molds are then crafted using the hand lay-up method. Gelcoat application is done with a state-of-art gelcoat spray machine featuring the ULTRAMAX system for a smooth and flawless finish. After the lay-up process, parts are infused with resin under vacuum using an infusion machine that maintains the resin-catalyst ratio for quality and cost-effective infusion operations. In 2023, the company processed around 1400 square meters of models and molds.

This article will further delve into some of METYX's notable projects, showcasing their proficiency in fulfilling the multifaceted requirements of their customers in the composite industry.

### Commitment to excellence

METYX relationship with wind turbine blade manufacturers, spanning over 15 years, is a source of pride for the brand. METYX has been instrumental in providing them with high-quality fabrics, fabric and core material kitting services, and specialized tooling. In 2023, METYX took on two significant projects for one of the leading manufacturers. These endeavors also involved manufacturing additional components like edge parts, vital for enhancing adhesive surfaces during blade assembly. Company's collaboration exemplifies METYX's commitment to excellence and innovation in supporting the wind energy sector's growth.



### A superior surface quality

METYX has proudly contributed to the development of driverless trains for the Istanbul Metro through its specialized plug and mold production services for Onur Fiber, offering to their client CRRC-MNG Rail System Vehicles Industry and Trade Ltd. This collaboration involved the creation of the front mask of the driverless trains using the infusion method from a mold. A key factor in selecting METYX for this project was the availability of CNC machinery capable of processing a single piece of epoxy material for the model, ensuring a seamless and uniform mold unique surface. This aspect was crucial as the final part required a high-quality, glossy painted and varnished finish. The absence of joint lines in the mold guaranteed a superior surface quality, aligning perfectly with the stringent standards needed for this high-profile transportation project.



### A journey to a breakthrough innovation: Fiberglass composite molded body with closed-cell foam core for Global Expedition Vehicles and Storyteller Overland

In the ever-evolving world of adventure travel, a groundbreaking innovation has emerged, reshaping the industry. Global Expedition Vehicles (GXV), established in 2006, has been at the forefront of engineering self-sufficient, rugged expedition vehicles. Known for their custom-built 4x4s, GXV blends off-road resilience with homely comforts. Meanwhile, Storyteller Overland, since its 2018 inception in Birmingham, AL, has carved a niche in crafting outdoor lifestyle and adventure vehicles, particularly in the Class B RV segment.

In a strategic move, Storyteller Overland acquired GXV in December 2021. Leveraging what GXV and METYX has previously accomplished, STO embarked on developing the 'Hilt,' a project that showcases these combined expertise. METYX, joining this venture, has played a pivotal role in realizing this vision, initially prototyping for GXV and in 2023 crafting distinct lines for Storyteller Overland as well as GXV.

The challenge was ambitious: to launch a new range of Adventure Trucks - Adventure - XT. The goal was to eschew traditional metal parts in RV design, favoring a composite structure to enhance durability and reduce weight. METYX, renowned for its design prowess and production expertise, was approached to bring this vision to life.

The solution materialized in a groundbreaking design from METYX. Stephen Misencik, CTO of METYX USA, speaks of the challenging yet rewarding journey to achieve this feat. The process involved intricate steps, including FEA simulations, lamination optimization, and detailed 3D and 2D drawings. It culminated in the production of a unique RV capsule, composed of only two infused composite parts - a marked departure from the traditional method of assembling flat panels to a metal frame.

This innovation offers numerous advantages:

- A ready-to-fit-out capsule requiring minimal bonding operations.
- Reduced assembly line cycle times.
- The freedom to create aesthetically pleasing double curvature shapes at no extra cost.
- Enhanced structural performance where necessary.

Mike Van Pelt, CEO of GXV, reflects on the collaboration with METYX, acknowledging the challenges and celebrating the successful outcome. This partnership has led to the creation of arguably the best body structure for their needs.

This achievement in the RV industry is not just a step forward in vehicle manufacturing; it represents a leap into the future of adventure travel, where durability, aesthetics, and performance converge to redefine the standards of expedition vehicles. This project was also nominated as a finalist at CAMX ACE Awards 2023.





## Numarine's Latest Masterpieces: 37XP -06 Chapter 3 and 26XP Minella, Enhanced by METYX

### The Pinnacle of Luxury Yachting Meets Advanced Composites Technology

In the realm of luxury yachting, few names stand out like Numarine, renowned for its innovation and exquisite craftsmanship. The Turkish yacht manufacturer has again set the bar high with its latest offerings, the 37XP-06 Chapter 3 and 26XP Minella. These yachts are not just symbols of opulence; they are testaments to the advanced use of materials, particularly in their use of carbon and glass fabrics provided with PVC core materials, resin systems and consumables by METYX, a leader in the composites industry.

### 37XP -06 Chapter 3 and 26XP Minella: Engineering Marvels on Water

The 37XP -06 Chapter 3 and 26XP Minella are marvels of modern yacht engineering, showcasing a blend of aesthetic elegance and robust functionality. Numarine's choice to use carbon fabrics for the upper decks of these yachts is a decision driven by both performance and design. Carbon fabrics, known for their strength and lightweight properties, contribute to the yachts' overall efficiency and durability.

### METYX: At the Forefront of Composite Innovation

METYX, a key supplier for Numarine, has provided cutting-edge carbon and glass fabrics for these projects. The collaboration highlights METYX's commitment to pushing the boundaries of composite technology and its application in luxury yacht manufacturing. The use of these advanced materials by Numarine underscores the company's dedication to adopting innovative solutions that enhance the performance and aesthetic appeal of its yachts.



### Uncompromised Luxury and Performance

The integration of METYX's composites in the 37XP -06 Chapter 3 and 26XP Minella plays a pivotal role in the yachts' construction. The carbon fabrics on the upper decks not only reduce the overall weight but also maintain structural integrity, ensuring safety and stability. This strategic use of materials contributes to improved speed and fuel efficiency, making these yachts a perfect blend of luxury and performance.

### A Visionary Partnership

The partnership between Numarine and METYX is a testament to the power of collaboration in the pursuit of excellence. The fusion of Numarine's visionary yacht designs with METYX's advanced composite materials has resulted in creations that are nothing short of aquatic masterpieces. These projects mark a significant milestone in yacht manufacturing, showcasing the potential of composites in crafting the future of luxury seafaring.

As Numarine continues to chart its course in the high-end yacht market, its collaboration with METYX stands as a beacon of innovation and quality. The 37XP -06 Chapter 3 and 26XP Minella are not just yachts; they are symbols of the endless possibilities that arise when luxury meets cutting-edge technology. These projects pave the way for future advancements in yacht design and construction, promising a future where the seas are navigated in unparalleled style and sophistication.



## Comaxel: Redefining Composite Manufacturing in Poland

In the heart of Poland, Comaxel stands as a testament to innovation and versatility in the manufacturing sector. For over a decade, this dynamic company has been meeting the diverse needs of its clients, producing everything from small glass fiber washers to the largest Flettner rotors ever seen on the global stage.

Comaxel's product range is impressively broad, showcasing their ability to handle both small-scale and monumental manufacturing challenges. Their flagship product, the 35-meter Flettner rotors, not only represents a significant engineering achievement but also highlights their position as a world leader in composite manufacturing.

At the core of Comaxel's success is their vision to be a comprehensive supplier. They excel in transforming concepts into tangible products, offering services that span design, engineering, and production. Their expertise in prototyping is particularly noteworthy, encompassing everything from the creation of plugs and moulds to the final stages of production setup.

Comaxel's manufacturing prowess extends to a variety of products, including composite wings and booms for sailboats, numerous carbon elements, and prepreg sheets. This diverse range caters to a wide array of industries across Europe, underlining the company's adaptability and commitment to quality.



### METYX: A Valued Partner

A key component of Comaxel's success is their partnership with METYX, which supplies them with high-quality carbon and glass fiber products, as well as peelply, through the distributor Laminopol in Poland. Comaxel's preference for METYX is rooted in their exceptional service, superior product quality, and competitive pricing.

Comaxel's journey over the past decade is a story of relentless innovation and unwavering commitment to quality. In collaboration with partners like METYX and Laminopol, they continue to push the boundaries of what's possible in composite manufacturing, firmly positioning Poland on the global industrial map.





## Ceylan Teams Up with METYX: A New Era in Building and Innovation

Ceylan, a company with a 60-year history, recently started working with composite materials, adding to its original business of making axles. This new direction includes making important building parts like snow guards and grill profiles, using pultrusion production method. Ceylan chose METYX's high-quality products for this work, showing their commitment to maintaining high standards.

METYX and Ceylan's partnership began with METYX visiting Ceylan's site in Konya. METYX places a high value on visiting or hosting potential and existing customers during trade shows or at their production facilities, providing opportunities for in-depth discussions and demonstrations of their latest offerings.

This hands-on approach fosters deeper understanding and collaboration, paving the way for innovative solutions tailored to each client's unique requirements.

As Ceylan continues to expand its footprint in the composite sector, its partnership with METYX stands as a beacon of progress, symbolizing the seamless fusion of tradition and innovation. This collaboration paves the way for new possibilities, setting a benchmark for others in the industry to follow. With a history rich in success and a future bright with potential, Ceylan is poised to continue its legacy of excellence, powered by the quality and innovation of METYX.



## Kreysler & Associates: 40-Year Legacy of Innovation in Art, Architecture, and Industrial Design

StudiLNGR are a design firm in architecture and have been dNestled in American Canyon, CA, Kreysler & Associates has been a beacon of innovation for over four decades. Renowned for their use of advanced composite materials in art, architecture, and unique industrial applications, they have consistently pushed the boundaries of what's possible, turning visionary designs into reality.

Kreysler & Associates is not just about using advanced materials; it's about mastering them. Their commitment to craftsmanship, combined with cutting-edge digital manufacturing techniques, has revolutionized product delivery in their field. They pride themselves on their ability to realize customer designs without compromise, ensuring that every project is a testament to their expertise and dedication.

### Longstanding Partnership with METYX

For years, Kreysler & Associates has worked closely with METYX, utilizing their high-quality glass and carbon reinforcements in various projects. This collaboration has been instrumental in allowing Kreysler to maintain their high standards of quality and innovation.

One of their recent standout projects is a carbon pedestrian bridge located in Berkeley, California. This project showcased their full range of services, from providing shop drawings and

engineering to fabricating Fiber Reinforced Polymer (FRP) and managing on-site finishing. The bridge, commissioned for a private residence, elegantly connects the main house to the garage, spanning a gully without disturbing the local flora.

The bridge's design is a marvel of engineering, cantilevering 50 feet from a central column like a diving board, without anchoring to the deck. The challenges of installation, particularly in the winding Berkeley hills, were met with ingenuity. The bridge was constructed in three lightweight pieces, each transported through the house by hand and then assembled on-site.

The successful completion of the carbon fiber bridge stands as a shining example of Kreysler & Associates' skill and the superior quality of METYX's materials. William Kreysler, the company's President, shared his positive experience with METYX, remarking, "Our collaboration with METYX, backed by their exceptional quality and service, has been integral to our success. We're delighted to continue this partnership."

Kreysler & Associates' journey is one of relentless innovation and a deep commitment to bringing extraordinary designs to life. Their projects not only demonstrate technical prowess but also a harmonious blend of art and functionality. As they continue to explore the possibilities of composite materials, their legacy of excellence only grows stronger.





## METYX Hungary became a sponsor of Kapos Sport Röplabda Kft. woman volleyball team!

IMETYX, the leading composite material manufacturer in Kaposvar since 2013, has been always involved with the communities in which they live and work as a business philosophy and the “true North” of our organizational culture. Giving something back and help deserving people have always been a high priority, especially when it comes to health and well-being. The company has sponsored many sporting clubs and activities over the years in Hungary, in Turkey and USA; where all the plants are located.

As a member of UN Weps (United Nations Women Empowerment Principles) the company is also committed to support women in business world as well as inspire them in their daily lives, whether this be family, work, academia or sports. In this spirit, METYX has recently announced a sponsorship agreement with Kapos Sport Röplabda Kft woman volleyball team; local team originated in Kaposvar; where company's Central European production facility located. This sponsorship will allow METYX put the brand logo on the back side of the shorts as well as many other visibility opportunities

during the matches.

The women's volleyball team Kapos Sport Röplabda Kft. was founded in 2022, even the club has been existed since 1969. The team finished in the 4th place last year in the highest division in Hungary (extraliga), and this year they are already qualified in the final four of the Hungarian Cup.

METYX CEO Mr. Ugur Ustunel comments: “Our motivation is not only the value-added composite material technology that we produce in our plants, but also adding values such as hard-work, team spirit, fairplay and practical thinking that would inspire the communities. We believe the power of women and their undeniable impact on societies. So, it was a privilege to support this important team in our very own region, that i believe they will be successful and inspire us to achieve our goals. At METYX, we care about the local communities close to our facilities and are committed to continue to provide support in the coming years.”



## METYX: A Beacon of Support in the World of Sports, Celebrating the Resilience of Ruso Yakimoviç

The journey of METYX in the realm of sports sponsorship is one marked by unwavering support and a deep appreciation for athletic excellence. This commitment was once again exemplified through their sponsorship of the indomitable triathlete, Mr. Ruso Yakimoviç. Yakimoviç, a name synonymous with resilience and determination, has been an integral part of METYX's sports narrative, participating in prestigious events like the Ironman 140.6 in Barcelona and the Ironman 70.3 World Championship 2023 held in Lahti, Finland.

Ruso Yakimoviç's journey in these competitions is a testament to the spirit of never giving up. In Lahti, amidst a highly competitive field of 495 participants in his age group, Yakimoviç secured an impressive 25th place, showcasing his exceptional athletic prowess. However, it was in Barcelona where his true resilience shone through. Faced with a challenging accident during the race, Yakimoviç made a decision that epitomized the essence of true sportsmanship. Despite the immense pain and the easier option to withdraw, he persevered, finishing the race in an astounding 9:07 hours. His remarkable 5th place finish in his age group and 15th overall was not just a personal victory, but a powerful message about the relentless human spirit.

The Ironman triathlon, a grueling challenge that pushes athletes to their limits, is the perfect arena for athletes like Yakimoviç. This event is more than a test of physical endurance; it's a battle of mental fortitude, where athletes endure 11 to 17 hours of constant, strenuous exercise under challenging conditions like harsh winds, waves, and extreme temperatures.

METYX's role in this narrative goes beyond mere sponsorship. It's a partnership that reflects a shared ethos of resilience, excellence, and the pursuit of greatness. The company's decision to continue supporting Yakimoviç in 2024 is not just a commitment to an athlete but a testament to their belief in the transformative power of sports.



As we look forward to 2024, METYX's ongoing support for Ruso Yakimoviç is a beacon for all aspiring athletes and a reminder of the power of persistence. Through their support, METYX is not just fostering individual talent but nurturing a culture of resilience and determination that transcends the world of sports.





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