



Comaxel
2026

REDUCE REUSE RECYCLE
WE DO NOT WASTE MATERIALS
WE FIND OTHER USES FOR THEM



Making Dreams Real



Contact us

Comaxel Spółka z ograniczoną
odpowiedzialnością

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COMAXEL FOUNDERS

WELCOME,

Comaxel Spółka z ograniczoną odpowiedzialnością was established in 2013 in Goldap, Warmian Masurian, Poland – a picturesque region renowned for its stunning lakes and lush forests, providing an idyllic backdrop for our operations.



Michael Rann Co-Founder, CEO

One of the two owners of Comaxel. Holder of a Master of Science degree in Chemical Engineering. Michael has been working with composite structures and processes for 30 years and is head of all technical relations and project managements.

Katarzyna Gorska Co-Founder, Administration

One of the two owners of Comaxel Spółka z ograniczoną odpowiedzialnością. Holder of a Bachelor degree in Business Economics. Kasia has been working with composites for more than 15 years and knows well the different products and processes.

Our products and services

Plugs and moulds

Mega structures

Composite parts

Composite sheets

Recycling – Go Green

CONTENT

01 Facilities

Our team comprises highly skilled individuals, collectively striving to deliver premium-quality products to our clients across Europe. Housed within our expansive 5000m² production facilities, equipped with state-of-the-art machinery and tooling, we ensure efficient and precise manufacturing processes. Our new head quarter warmly welcomes our guests and our newest production facility is equipped with presses, large scale beam saw, CNC machinery for kitting and milling robot making Comaxel able to handle any request of modelling and mould production.

02 Products

Our product portfolio is mainly based on utilizing epoxy, glass- and carbon fibers, and recycled PET core together constituting approximately 99% of our supplied materials. We offer a diverse range of products, catering to every conceivable demand of our clientele. From the fabrication of intricate glass fiber washers to the monumental achievement of producing 35m Flettner rotors or 40m wing sails – we continually push the boundaries of innovation and excellence. Highest quality CSC approved composite sea containers approved for pay load above 28 ton. Advanced epoxy/carbon booms for sailing yachts. Advanced composite climate solution regulating water flow during flooding and for sewer systems. Carbon part production for a broad spectrum of clients among others for Formula racing cars.

03 Proto typing and development

Central to our ethos is the unwavering commitment to shepherd an idea from conception to fruition. With years of experience and knowhow in prototyping, we offer comprehensive services encompassing design, engineering, plug and mould creation, prototype development, in-process testing, production setup and of course every product needed.

04 Documentation

Ensuring transparency and accountability, we meticulously document every facet of our production process. Each component manufactured by Comaxel comes with complete documentation, securely stored on our Client Shared Servers (CSS) as part of our Project Management Program.

05 Leadership

Beyond our dedication to craftsmanship, we are deeply invested in fostering a culture of environmental stewardship and safety consciousness. With utmost reverence for our natural surroundings, we prioritize sustainable production practices and prioritize the safety and well-being of our workforce. One result is that we reduce our carbon footprint by thousands of tons per year, only using sustainable power based on wind, solar and water for our production. Comaxel takes pride in its adherence to industry-leading standards, holding certifications across the board, including ISO 9001:2015, ISO 14001:2015, and ISO 45001:2018.

06 Pedigree

Furthermore, we are privileged to collaborate with esteemed partners hailing from Finland, Sweden, Norway, Denmark, Switzerland, Austria, Italy, Greece, Germany, France, Lithuania and Poland, fostering mutually beneficial relationships that underscore our global reach and influence.

“

„ Great things in business
are never done by one person.
They're done by a team of people. ”

COMAXEL team – Making Dreams Real



Small part of
Comaxel
team

01. Facilities

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Ekonomiczna 14



Graniczna 5

Why choose us

- 1 Experience and professionalism
- 2 Innovative solutions
- 3 Individual approach
- 4 Reliability and **QUALITY**



02. Products

Our product portfolio is mainly based on utilizing epoxy, glass- and carbon fibers, and recycled PET core together constituting approximately 99% of our supplied materials. We offer a diverse range of products, catering to every conceivable demand of our clientele. From the fabrication of intricate glass fiber washers to the monumental achievement of producing 35m Flettner rotors or 40m wing sails – we continually push the boundaries of innovation and excellence. Highest quality CSC approved composite sea containers approved for pay load above 28 ton. Advanced epoxy/carbon booms for sailing yachts. Advanced composite climate solution regulating water flow during flooding and for sewer systems. Carbon part production for a broad spectrum of clients among others for Formula racing cars.

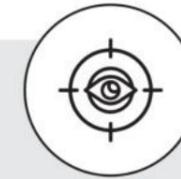
Comaxel Megastructures

Moving megastructures is not easy. But over several years, we have come to perfection.

We are calm and ready for what lies ahead, with an experienced team we can move mountains - Both figuratively and literally.

Innovation, quality and precision - we are creating the future of composites on a global scale.

- *Michael Rann*



VISION

We strive to be a global leader in advanced composites, continually developing innovative solutions for the marine, automotive, aerospace, transport and green technology industries.



MISSION

Our mission is to provide the highest quality fiber reinforced epoxy products, combining innovation with reliability to meet the most demanding needs of our customers.

At Comaxel we produce very large structures rising to the biggest Flettner rotors ever produced worldwide. With a height of 35m and a diameter of 5m our composite rotors sails has been our so far biggest and most challenging component to make. We have together with the client produced all of the tooling for this project including plugs, molds, assembly jigs and other relevant tooling.

The rotors are today working with all approvals for the marine market.





September 2025

Oceanbird Unveils Its First Wing A Milestone for Sustainable Shipping

Oceanbird has officially presented its very first wing, marking an exciting step forward in the mission to revolutionize maritime transport with wind-powered solutions. The innovative wing is designed to reduce emissions drastically, showcasing how cutting-edge technology and sustainability can go hand in hand.

This milestone is not only a triumph for Oceanbird but also for all partners involved in the project. We at Comaxel are proud to be a key partner having the opportunity to contribute by supplying the composite wind sail that make this achievement possible.

We sincerely thank Oceanbird for their trust in choosing Comaxel as a key supplier and extend our heartfelt congratulations on this remarkable success.

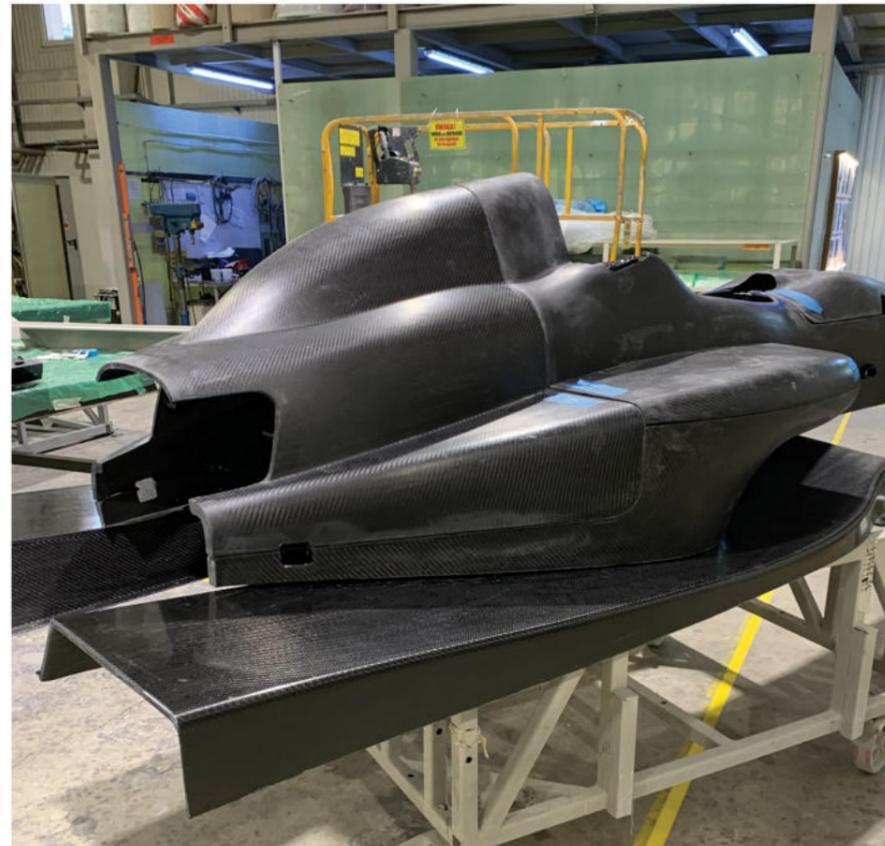


February 2026

From the Comaxel headquarters, another 550m² structural composite component for the second wing of the Oceanbird WING 560 system has been dispatched. The element was designed and manufactured in accordance with the requirements of an innovative wind-assisted propulsion technology for maritime shipping. This marks another milestone in the project, aimed at reducing emissions and increasing the energy efficiency of vessels.

2025 / 2026

In the 2025/2026 season, we successfully debut as a bodywork manufacturer for Formula racing. Our innovative technological approach, highest manufacturing quality, and advanced composite materials have enabled us to meet the most demanding standards of motorsport. Through close collaboration with engineers and racing industry specialists, we together developed solutions that combine lightweight construction, highest strength and durability. This debut marks a significant milestone in our company's growth and confirms our capabilities in delivering projects at the highest level of technological advancement, opening the door to further international success.





For a decade, Comaxel has been an integral developing partner with Dannozele, serving as the supplier of all composite structures. Over the past ten years, Comaxel has manufactured hundreds of thousands of square meters of composites, establishing itself as a premier Tier One producer renowned for innovation and prototyping expertise.



Central to our ethos is the unwavering commitment to shepherd an idea from conception to fruition. With years of experience and knowhow in prototyping, we offer comprehensive services encompassing design, engineering, plug and mould creation, prototype development, in-process testing, production setup and of course every product needed.



KUKA KR 240 R2900 ULTRA
Robot milling, Sculpture machining,
Multiaxis cutting, Trimming,
Deburring.

Plugs and moulds

Production of high-quality components goes all the way back to high quality plugs. Defects in plugs will be visible in the molds which again will be visible in each component. At Comaxel we always have an open discussion with our clients about quality level of the components, which process is expected and other relevant details. Based on this we can recommend the full tooling package.

Production of plugs can be done as one off using MDF or similar...very fast and cheap solution enough for most applications. Next level is using tooling boards with density 200-1700kg/m3. Using this practice, we can achieve high end quality for long lasting tools with temperature resistance up to 130 degrees of Celsius perfect for prepreg production with vacuum integrity drop of maximum 20mbar/20 minutes at 3% residual pressure.

03. Proto typing and development

Morbidelli X200 - Nesting CNC Machining Centre

Trimming small components, washers, templates, bulkheads, core kitting and much more...



Comaxel
shall be able
to handle all
services from
first sketch till
final product.

At Comaxel we provide our clients a wide range of specialized moulds. Every mould is produced with focus on quality to ensure our clients ongoing production of high-end components.

Through dialog we can recommend what type of mould will give the best results dependant on our client's choice of production process and demands in surface finish.

Our range of tools starts with standard vinylester based unheated molds till high end epoxy molds with hydraulics and built in electrical microprocessor-controlled heating system.

04. Documentation

Ensuring transparency and accountability, we meticulously document every facet of our production process. Each component manufactured by Comaxel comes with complete documentation, securely stored on our Client Shared Servers (CSS) as part of our Project Management Program.

Comaxel is certified with all three main standards.

ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018

What is ISO 9001?

ISO 9001 is a **globally recognized standard** for quality management. It helps organizations of all sizes and sectors to improve their performance, meet customer expectations and demonstrate their commitment to quality. Its requirements define how to establish, implement, maintain, and continually improve a quality management system (QMS).

Implementing ISO 9001 means your organization has put in place effective processes and trained staff to deliver flawless products or services time after time.

Why is ISO 9001 important?

With more than one million certificates issued to organizations in 189 countries, ISO 9001 is the most widely used quality management standard in the world. Within the ISO 9000 family, which defines seven quality management principles including a strong customer focus and continual improvement, ISO 9001 is the only standard that can be certified to (though certification is not mandatory).

Business benefits include:

- **Customer confidence:** The standard ensures that organizations have robust quality control processes in place, leading to increased customer trust and satisfaction.
- **Effective complaint resolution:** ISO 9001 offers guidelines for resolving customer complaints efficiently, contributing to timely and satisfactory problem-solving.
- **Process improvement:** The standard helps identify and eliminate inefficiencies, reduce waste, streamline operations, and promote informed decision-making, resulting in cost savings and better outcomes.
- **Ongoing optimization:** Regular audits and reviews encouraged by ISO 9001 enable organizations to continually refine their quality management systems, stay competitive, and achieve long-term success.



“Often people say the sky is the limit” at **Comaxel** we push the boundaries, we don't let anything slow us down or stop us from achieving our goal of making our customers dreams come true.

What is ISO 14001?

ISO 14001 is the internationally recognized standard for environmental management systems (EMS). It provides a framework for organizations to design and implement an EMS, and continually improve their environmental performance. By adhering to this standard, organizations can ensure they are taking proactive measures to minimize their environmental footprint, comply with relevant legal requirements, and achieve their environmental objectives. The framework encompasses various aspects, from resource usage and waste management to monitoring environmental performance and involving stakeholders in environmental commitments.

Why is ISO 14001 important?

In an age of heightened environmental consciousness and increasing global challenges such as climate change, biodiversity loss, and resource depletion, organizations have a pivotal role to play. ISO 14001 offers a structured approach for businesses to address these pressing concerns. By adopting this standard, organizations signal a commitment not only to regulatory compliance but also to ongoing environmental improvement. This proactive approach to environmental management can result in tangible benefits, such as reduced waste, energy conservation, and cost savings.

Furthermore, it enhances an organization's reputation, fosters stakeholder trust, and often constitutes a critical step for engaging in global trade and supply chains. Simply put, ISO 14001 stands as a testament to an organization's dedication to a sustainable future, blending environmental responsibility with strategic business growth.

What is ISO 45001?

ISO 45001 is an international standard that specifies requirements for an **occupational health and safety (OH&S) management system**. It provides a framework for organizations to manage risks and improve OH&S performance.

The standard establishes criteria for an OH&S policy, objectives, planning, implementation, operation, auditing and review. Key elements include leadership commitment, worker participation, hazard identification and risk assessment, legal and regulatory compliance, emergency planning, incident investigation and continual improvement.

ISO 45001 utilizes the Plan-Do-Check-Act methodology to systematically manage health and safety risks. It applies to organizations of all sizes and can be integrated with other ISO management system standards.

Why is ISO 45001 important?

Implementing ISO 45001 provides significant value to organizations looking to reduce workplace incidents and demonstrate OH&S commitment. Benefits include:

- ISO 45001 provides an **internationally-recognized** framework for managing occupational health and safety risks. It enables organizations to **systematically assess hazards and implement risk control measures**, leading to reduced workplace injuries, illnesses and incidents.
- Adopting the standard shows employees and external stakeholders that the organization is committed to worker health, safety and wellbeing. This **boosts reputation, morale and retention**.
- The standard requires complying with OH&S regulations, ensuring legal conformity. It also promotes **proactive risk management**, potentially lowering insurance premiums.
- By requiring emergency preparedness and response protocols, ISO 45001 **strengthens organizational resilience** against safety threats and crises.
- The framework of plan, do, check act means the OH&S system can continually improve and evolve, **enhancing long-term worker health and safety performance**.

In summary, ISO 45001 enables organizations to **better protect their workers and manage OH&S risks**, making it an essential standard worldwide.



Michael Rann
Co-Founder, CEO

One of the two owners of Comaxel. Holder of a Master of Science degree in Chemical Engineering. Michael has been working with composite structures and processes for 30 years and is head of all technical relations and project managements.



Bureau Veritas Certification

COMAXEL Sp. z o.o.

ul. Ekonomiczna 14, Niedrzwica, 19-500 GOŁDAP

Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 9001:2015
ISO 14001:2015
ISO 45001:2018

Scope of certification

Design and production of products made of composite products.

Original cycle start date: 15-01-2021
Recertification Audit date: 10-01-2024
Certification cycle start date: 15-01-2024

Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: 14-01-2027

Certificate No. PL015807/U Version: 1 Revision date: 15-01-2024

Signed on behalf of BVCH SAS UK Branch
Local Technical Manager



Certification body address: 5th Floor, 66 Prescot Street, London E1 8HG, United Kingdom
Local office: ul. Migdałowa 4, 02-796 Warszawa

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation. To check this certificate validity please call: +48 22 549 04 00

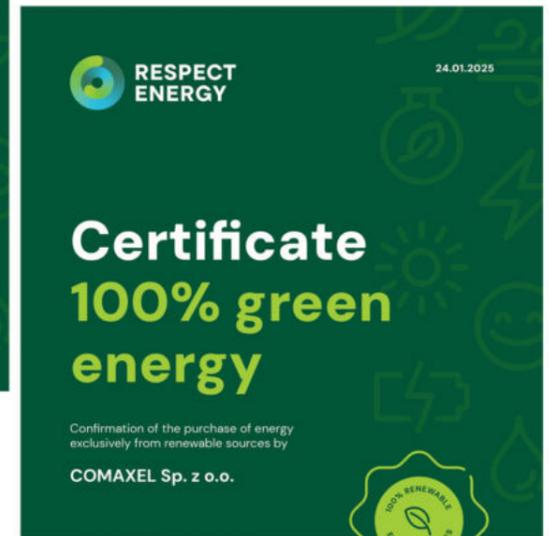
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REDUCED CO₂ EMISSION FOR PPE NO. 590543510400491385
97 909 ton

GREEN ELECTRICITY SUPPLY PERIOD
01.01.2024-31.12.2024



REDUCED CO₂ EMISSION FOR PPE NO. 590543510400147886
53 943 ton

GREEN ELECTRICITY SUPPLY PERIOD
01.01.2024-31.12.2024





06. Pedigree

Furthermore, we are privileged to collaborate with esteemed partners hailing from Finland, Sweden, Norway, Denmark, Switzerland, Austria, Italy, Greece, Germany, France, Lithuania and Poland, fostering mutually beneficial relationships that underscore our global reach and influence.



COMAXEL'S TRUSTED PARTNERS