



Innovating Transparencies for Defence

Engineering Uncompromising Protection
for Land and Sea





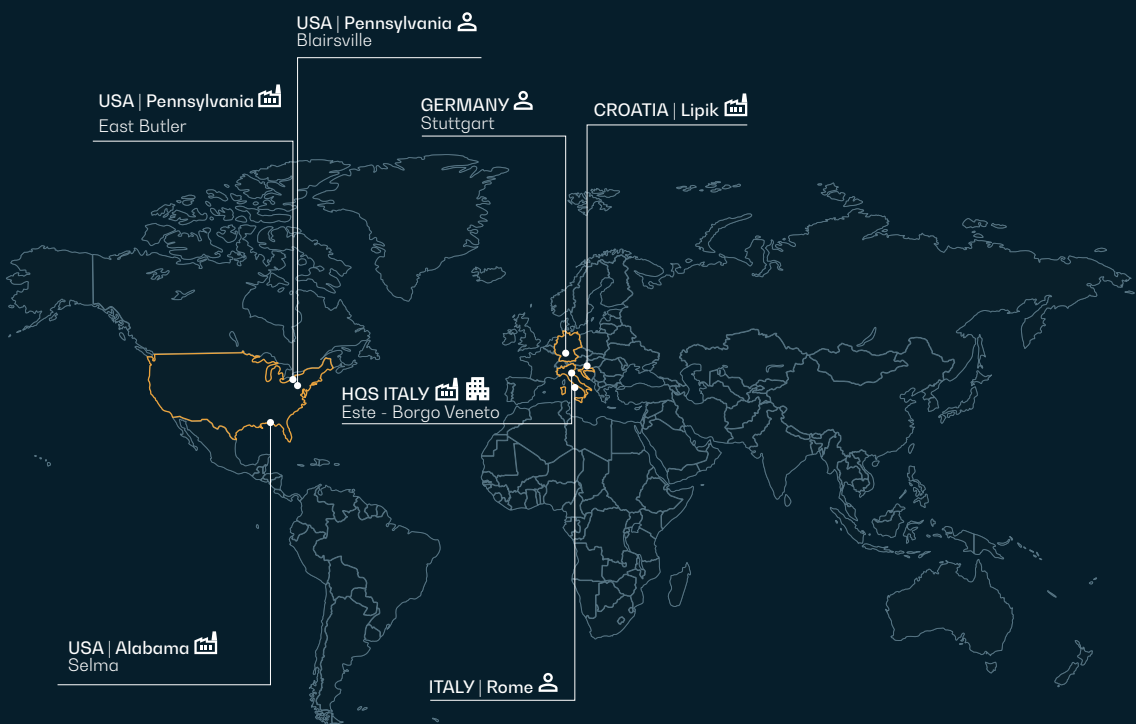
The Company


As a global leader in **high-performance transparent solutions**, Isoclima delivers mission-ready protection through **advanced engineering and precision manufacturing**. With a strong focus on **R&D and innovation**, we develop **specialized glazing solutions** for **military vehicles and naval applications**, ensuring resilience in extreme conditions. Isoclima is a **trusted partner** for the defense industry, providing **customized solutions** that meet the most stringent operational requirements.



Our Global Presence

With a **strong international footprint**, Isoclima supplies **mission-ready** transparent solutions to key defense industries worldwide. With facilities in the **USA, Italy, Croatia and Germany**, we combine **R&D and engineering excellence** to develop **tailored, high-performance glazing** for military applications. Through **state-of-the-art laboratories and continuous innovation**, we have established ourselves as a **trusted reference in the defense sector**, ensuring **unmatched protection and reliability** in the most demanding environments.



 Headquarters

 Manufacturing Facilities

 Commercial Officers



– Courtesy of @IDV, MTV - 12KN

A Legacy of Innovation and Quality

Isoclima is a **trusted partner** in the defense sector, delivering **high-performance transparent solutions** for **military vehicles and naval applications**. Our **lightweight, ultra-thin ballistic glazing** ensures superior **protection, durability and optical precision** in the most extreme conditions.

Through continuous **R&D and advanced engineering**, we develop **mission-ready solutions** that comply with **NATO STANAG 4569 (Level 1–4)**, providing defense forces with reliable protection against **high-velocity impacts**. Trusted by industry leaders such as **IDV, Thales, Rheinmetall and NVL**, we reinforce our role as a **key player in military security and protection**.

– Certification standards





Protection, our First Priority

Isoclima's diversification strategy has enabled us to transfer advanced technologies across industries, including civilian and military armored vehicles, special vehicles and racing cars. Our solutions are designed to meet the most stringent international standards while offering customization and comfort.



– Courtesy of @NVL Group, Naval Vessels K130



– Courtesy of @IDV, LMV



Security Solutions

— Tailored Protection for Every Threat

Isoclima's diversification strategy has enabled us to transfer advanced technologies across industries, including civilian and military armored vehicles and special vehicles. Our solutions are designed to meet the most stringent international standards while offering customization and comfort.

— Military Vehicles

The lightest and thinnest glazings globally, capable of withstanding extreme conditions. Fully compliant with NATO STANAG 4569 (Level 1-4) standards, ensuring reliable protection in international crisis zones.

— Armored Vehicles

Composite windows with integrated ballistic steel, anti-fog systems, heating and embedded antennas. Tested and certified for compliance with standards such as EN 1063 (BR1-BR7), VPAM PM VR, NIJ 0108.01 and UL752.

— Customization for Defense and Security

Our advanced solutions integrate options such as heating systems, electromagnetic shielding and IR-reflective coatings, offering unique protection while maintaining clarity and durability.



— Courtesy of @IDV – LMV2

Advanced Capabilities



Anti-IR Coating

Selective solar protection filters ensure superior comfort and energy efficiency, reducing heat transmission while maintaining optical clarity.



Solar Protection Technologies

Laminated glass integrates advanced coatings and plastic films, providing efficient UV and infrared radiation protection.



Chemical Strengthening

This specialized process enhances the mechanical strength of glass, improving the impact resistance of the laminated ballistic product and reducing its weight, without compromising transparency.



Magnetron Sputtering PVD

Advanced magnetron sputtering technology enables the application of thin conductive or semiconductive coatings, achieving outstanding optical and electrical performance.



Heating Systems

Our heating systems integrate seamlessly into glass structures, through invisible wire systems or electrically transparent conductive coatings to provide de-icing and defrosting capabilities.



Lightweight Solutions

To address the critical need for weight reduction in automotive, aerospace and defense sectors, Isoclima combines glass with innovative materials such as polycarbonate and glass/ceramics, achieving up to 40% weight savings.



Encapsulation

Encapsulation technology enhances durability and lifecycle performance, significantly reducing maintenance costs and increasing product longevity.



Innovative Products



— OmniArmor®

Designed for ballistic resistance to the highest standards, OmniArmor® provides exceptional protection with an unmatched strength-to-weight ratio and superior optical clarity, completely eliminating shrapnel.

— EmiGard®

laminated composite panel that shields radiation in the kHz – HHz frequencies range while maintaining optical transparency. EmiGard® is widely used in automotive, aviation, and defense sectors.

— Secur®

A high-tech bullet-resistant panel designed for civilian and military armored vehicles and critical infrastructure. Secur® withstands ballistic impacts and physical attacks while maintaining optical clarity.

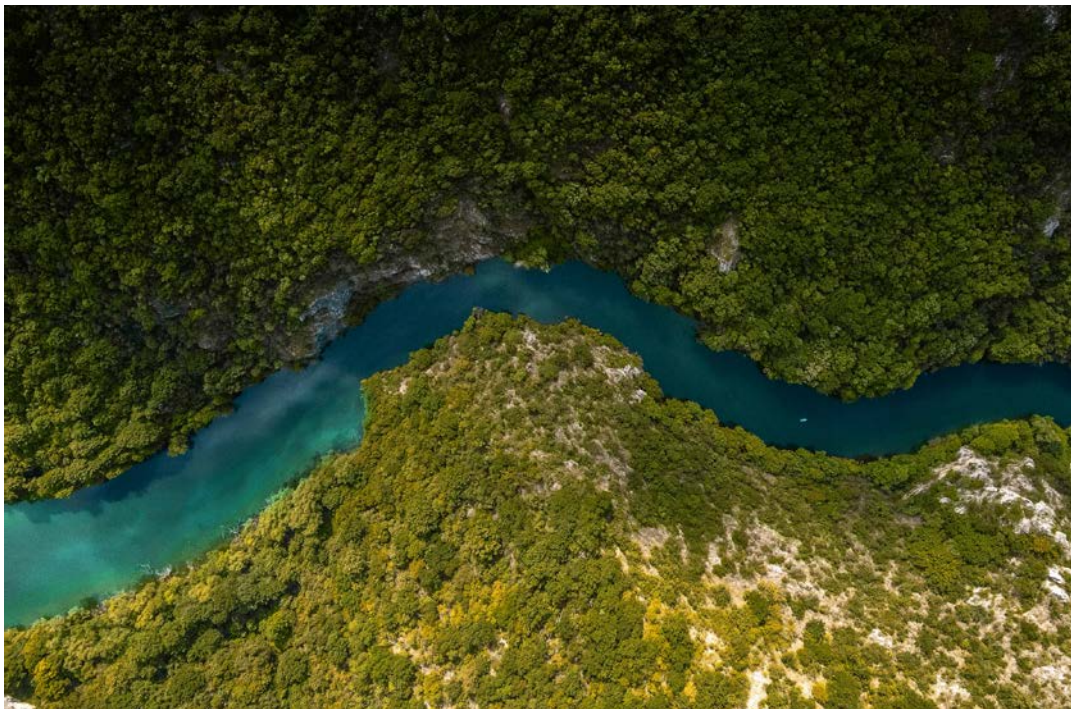
— HyperArmor

This hybrid solution combines glass, plastics, ceramics and polycarbonate to deliver protection against military-grade weaponry, grenades and rapid fire. Certified to STANAG Level 4, HyperArmor achieves up to 40% weight reduction without compromising performance.



Our Commitment to Sustainability

Isoclima integrates **sustainability** into every aspect of its operations, from product development to manufacturing.



Key initiatives include: Key sustainability initiatives include:

- **Solar radiation control systems** to reduce energy consumption and greenhouse gas emissions.
- **Innovations in lightweight materials** to minimize environmental impact.
- Alignment with **ESG (Environmental, Social, Governance)** principles to ensure sustainable growth.

Our focus on sustainability not only reduces the environmental footprint but also delivers practical benefits, such as energy savings and enhanced customer comfort.



Why Choose Isoclima?

At Isoclima, security, protection and innovation are at the core of everything we do. We combine **cutting-edge technology**, **aesthetics** and **customization** to meet the highest industry standards. From **Defense and Security** to **Sustainable Architecture** and **High-Performance Mobility**, our expertise spans multiple sectors, delivering tailored, future-ready solutions that anticipate evolving needs. With a relentless focus on **safety, performance and innovation**, we help shape a more secure and advanced world.





Connect with Us

Get in touch with our experts and choose the future of transparent solutions.

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