

"Crystal-clear" quality: Isoclima chooses Gefran to manage its high-tech glazing production facilities

Provaglio d'Iseo, November 19 2021. **Isoclima** – a world leader in the design and production of high-performance customised glass solutions – entrusts **Gefran** with the control and thermoregulation of its flat glass processing plants. A collaboration arising from the supply of components and consolidated over time thanks to **Gefran Soluzioni's** experience and know-how in the **design** and construction of automation systems, electrical panels and customised software, both for new systems and retrofits.

Founded in 1977, **Isoclima** represents excellence in the development of technologically advanced transparent windows, combining **style** and **design** with high ballistic resistance thanks to the winning combination of glass and polycarbonate or other acrylic products. It has different fields of application: from the automotive sector, with products intended for supercars and military vehicles, to railway, naval and aerospace sectors, as well as construction. The search for perfection and meticulous attention to detail are the basis of a design philosophy that translates into the Company's ability to create customised solutions certified by third parties in terms of mechanical and ballistic performance, sun protection and energy control.

*"The bulletproof glass industry requires compliance with the highest quality and safety standards. A requirement that is also reflected in our choice of suppliers", declares **Luigi Rosina**, **Isoclima's** **Purchasing Manager**. "Here, **Gefran** has proved to be the ideal partner: in addition to the excellent products available for power control, the **Soluzioni** division was able to translate our needs, with high precision and professionalism, into software".*

Among the main challenges **Gefran Soluzioni** has overcome are the creation of electrical diagrams and the automation language for the retrofit of 4 autoclaves and the revamping of a 21-module oven. In addition to the achieved goal of user-friendly systems, using the same components and interface for ovens and autoclaves provides a double advantage. On the one hand, the interchangeability of operators including a simplification in terms of staff training and on the other, there is greater flexibility in production planning since identical results can be obtained from ovens

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of different sizes without changing the "recipe". Optimising existing spare parts is another important aspect, providing positive results at the maintenance level too.

Isoclina has also chosen **Gefran** equipment for its largest bending oven for sheets of up to 10 meters. The management of the heat treatment process is entrusted to the **GPC** range, the new generation of power controllers, with an increasing number of performing functions from the perspective of **Industry 4.0** and **predictive maintenance**. The series, available with current range from **40A** to **600A**, can interact with the most recent communication protocols and is distinguished by its size, being the most compact on the market. Furthermore, these power controllers will be used in the world's largest chemical hardening plant, for **10m sheets**, currently under construction. Finally, the **GRS-H** single-phase solid-state relays for controlling electrical resistances are also particularly appreciated for various ovens. The range integrates **diagnostic** features and overheating or interrupted load alarm output: available for all models, from **15A** to **120A**, to guarantee maximum production efficiency.

"Isoclina and Gefran share an approach based on the value of the Made in Italy mark, as well as on the efficiency in responding to customer requests" continues **Luigi Rosina**. *"We greatly appreciated Gefran Soluzioni's ability to create systems based on our specifications, respecting the agreed deadlines. In addition, being able to count on a manufacturer and technical commercial figures with whom we immediately struck a rapport is of infinite added value for us".*

"We are very satisfied with the perfect harmony established between our industries" comments **Renzo Privitera, Sales Director for Italy** for **Gefran's Sensors and Components**. *"Isoclina's in-depth knowledge of the processes and construction of the ovens themselves was essential to correctly interpret its needs in developing the most suitable solutions for increased plant performance". "This is a real plus, thanks to which the customer/supplier relationship has evolved into a real long-term partnership".*

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BEYOND TECHNOLOGY

Gefran

Gefran is the Italian multinational group specialised in the design and production of sensors, industrial process control systems, electric drives and automation components. Competence, flexibility and process quality are the distinguishing factors of Gefran in the realization of tools and integrated systems for specific applications in different industrial fields, with a consolidated know-how in the fields of plastic, metal, paper, industrial lifting, heat treatment and lift. Technology, innovation and versatility represent the added value of the catalogue: electrical drives, sensors, automation platforms, regulators and power controllers able to increase the efficiency of production processes, also in terms of energy. The company now has over 900 employees, of which almost 500 in Italy (in the main offices of Provaglio di Iseo and Gerenzano) and consolidated collaborations with national and international research centers and universities. Gefran operates on the main international markets through 6 production subsidiaries in Brazil, China, Germany, India, Switzerland and the United States. In addition, there are sales subsidiaries in France, the United Kingdom, Belgium, Singapore and over 80 international distributors for global sales support.

Gefran is listed on the Milan Stock Exchange in the FTSE Italia STAR segment.

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