Press Release

POWERFUL AND VERSATILE: GEFRAN PRESENTS G-VISION, THE NEW HIGH PERFORMANCE MULTITOUCH HMI

Provaglio d'Iseo, **3 February 2022**. **Gefran** – *the Italian multinational group specialised in the design and production of sensors, industrial process control systems, electric drives and automation components* – takes a further leap into the future of Smart Connected Factories, where HMI technologies make processes digital and enable people to make safer, more certain and faster decisions. The 4.0 paradigm requires simple and effective advanced interfaces which allow the operator to manage production systems that are increasingly interconnected and integrated, from multiple devices. In this scenario, **Gefran** presents **G-Vision**, the new multitouch **capacitive Panel PC** platform*,* **UL** certified, with integrated Web Server and **4.0 connectivity**.

In detail, **G-Vision** has a large range of bright widescreen TFT LED displays, suitable for any working environment, from **7** to **21.5** inches with a wide viewing angle. The solution allows the creation of **scalable** pages (responsive in size) and thanks to the integrated Web Server, accessible from any location, even through the Cloud*.* The **Linux** operating system combined with the 64-bit RISC quad core - 1.6GHz processors guarantees high performance of the integrated graphics libraries and allows numerous plug-ins and widgets, such as **HTML** browsers, PDF and video viewers, as well as the ability to create and print reports.

The **connectivity** of **G-Vision** can communicate with all the main fieldbus protocols (EtherCAT, ProfiNET, Ethernet IP, Modbus TCP, CANopen, Modbus RTU) and is **Industry 4.0 compliant**, thanks to the **MQTT**, **OPC-UA** and **SQL** protocols, the latter being useful for backwards compatibility projects. Furthermore, thanks to the integration of **Node-RED**, this product is also **IIoT ready.**

G-Vision is managed within **GF Project VX,** the **IDE** (Integrated Development Environment) of the Gefran automation product families, which allows **OEMs** and **System Integrators** to transfer pages from previous applications, enriching them with advanced graphic elements, or to implement them from scratch through the new graphic development environment for HMI **GF_Designer HD**.

The installation of **G-Vision** is possible both flush-mounted on a cabinet and, in the full IP67 version, with tube or VESA mounting, ideal for installation in critical areas.

The physical connectivity of the **G-Vision 67** model has a **10/100** PoE (Power-over-Ethernet) Ethernet port, which ensures maximum simplicity of connection using standard CAT5 wiring. In addition, there is both **Wi-Fi** connection to facilitate the device integration and **NFC** to expand its applications.

Finally, **cybersecurity** is guaranteed through the **integrated firewall**, which allows network segmentation, and **NAT** (Network Address Translation) functionality.

"*The demand for HMI solutions on production lines is increasing. There are two emerging technological trends in particular: the availability of an integrated Web Server and the creation of pages in HTML format for maximum compatibility with different devices, in order to allow a leap in performance in production management and maintenance"* states **Lorenzo Taraborelli**, **Gefran**'s Programmable Automation Product Manager. "*In this sense, the new G-Vision terminals respond to the demands of modern architecture, in terms of interconnection capacity with external systems in order to facilitate machine-to-machine communication and make data and information available to operators, supervisors and production managers quickly, and in a safe and detailed way. In the next few months, the possibility will also be given, through a licence, to enable the execution of PLC code, allowing the development of logics directly on the panel."*

Gefran

Gefran is the Italian multinational group specialised in the design and production of sensors, industrial process control systems, electric drives and automation systems. 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 800 employees, of which almost 500 in Italy (in the main offices of Provaglio d'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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