

TRANSPORTATION & LOGISTICS



GoldenGas

relies on new digital technologies to optimize its processes



/ Challenge /

The Goldengas Group is an Italian company founded in 1965 in Senigallia, Italy. Today, it ranks among the top 10 Italian operators in the LPG sector, comprising eight specialized companies. At the end of 2021, the Goldengas Group sought to provide its employees with modern, high-performance business equipment to optimize data management and deliver a more timely and personalized service to its customers.

/ Solution /

Goldengas has entrusted Apra – Var Group with the project to modernize and enhance the efficiency of its operating terminals. This decision was driven by the unique features of the Essenzia management software, which has already been in use at the company for over 10 years. Apra – Var Group, in collaboration with Getac, proposed a combined hardware and software solution: i-gas, a vertical solution developed by Essenzia for the distribution and marketing of gas and fuels, paired with Getac F110 fully rugged tablet, tailored to meet real operational needs. The solution enables the automation of all phases—from order acquisition to delivery, from invoice processing to performance analysis.

/ Benefits /

The project offers multiple benefits, including: real-time recording of order delivery data by operators; the ability to communicate via the F110 tablet, which hosts the new application, directly with the delivery vehicle's tank; immediate reception and transcription of unloading data at the exact moment the operator completes the delivery; and remote control of the dispensing valve, managed directly through the application based on the precise coordinates provided by the end customer.

"Many changes have already been made, and many more are yet to come as we adapt to and anticipate an ever-evolving market. However, one thing remains unchanged and will always remain so: the spirit of collaboration, friendship, and familiarity that everyone encounters as soon as they walk through the doors of Goldengas. With this spirit in mind, we have worked to implement new and more efficient ways of working within the company, always focusing on the ultimate satisfaction of our customers. Together with Apra, we have been working on a complex and exciting project, which will drive the company's activities and guide us well into the near future."

Franco Petrolini, President of Goldengas



Getac F110
Fully Rugged Tablet

/ Challenge /

The Goldengas Group is an Italian company founded in 1965 in Senigallia, Italy Marche. Today, it ranks among the top ten Italian operators in the LPG (liquefied petroleum gas) sector and comprises eight specialized companies. Through punctuality, efficiency, and service accuracy, Goldengas has successfully built the loyalty of an increasingly broad, diverse, and demanding clientele, striving not only to remain a leading reference in LPG but also to establish itself as a key player in the energy sector. Every day, Goldengas relies on its operators to deliver LPG to large corporate clients, private homes, and fuel distributors.

By the end of 2021, the Goldengas Group recognized the need to provide its employees with modern, high-performance business equipment to optimize data management and deliver a more timely and personalized service to end customers.

Goldengas operators responsible for LPG delivery to end customers were equipped with 5-inch screen terminals and outdated application systems that did not support real-time data recording for goods unloading and customer payments. All valuable data was entered into the management system only when the vehicles returned to the company's premises. This time gap not only caused delays in data processing and order-related activities but also introduced a significant margin of human error when transcribing information into the management system, as operators often wrote it down by hand during the unloading process.

/ Solution /

When a company decides to invest in the digitalization of its processes, the entire business ecosystem benefits. In the medium to long term, concrete advantages can be seen across all areas of the company, from system optimization and improved efficiency to better utilization of resources, more precise management control, and compliance with new regulations.

For this reason, Goldengas entrusted Apra – Var Group with the project to modernize and enhance the efficiency of its operating terminals,

leveraging the features of Essenzia management software, which has been in use at the company for over ten years. Goldengas utilizes Apra – Var Group's Essenzia management software, specifically tailored for the gas and fuel sector, with dedicated modules and functionalities designed to meet the concrete needs of companies in the industry. This high level of customization immediately convinced Goldengas to collaborate with Apra in designing a new operational tool for its operators' daily activities.

Apra – Var Group, in collaboration with Getac, proposed a combined hardware and software solution: i-gas, the vertical solution by Essenzia designed for gas and fuel distribution and marketing, paired with the Getac F110 fully rugged tablet, tailored to real-world operational needs. This solution enables the automation of all phases, from order acquisition to delivery, invoice accounting, and performance analysis.

Goldengas operators now use Getac F110 fully rugged tablets, equipped with a specialized user kit designed by Getac to match their daily operational requirements. The tablets, installed in Goldengas vehicles, feature an 11.6-inch display, withstand a wide operating temperature range from -29°C to 63°C, endure truck vibrations, and remain readable in direct sunlight—ensuring consistent performance and efficiency.

The total solution designed by Getac includes not only the F110 fully rugged tablet with Windows 11 Pro but also a complete ecosystem of accessories, services, and docking solutions. To meet application requirements, the tablet is installed in the vehicle's passenger compartment using a series of specialized mounts anchored to the vehicle's floorboard. The vehicle docking station securely holds the tablet and, thanks to its dual serial port, enables on-site use of the printer and monitoring of fuel dispensing. Getac's vehicular power supply ensures uninterrupted charging without causing damage to the device or batteries. Additionally, a two-year extension of Getac's industry-leading bumper-to-bumper warranty for fully rugged products has been purchased, providing a total of five years of worry-free warranty coverage.

Getac's professional fully rugged tablets run Apra – Var Group's solution, enabling operators to easily access all relevant information for the customer order they are

executing. This includes the order number, customer details, tank data, payment information, agreed prices, and whether the customer has outstanding debts. The application is natively integrated with the company's management system, ensuring seamless connectivity to all relevant data. Information recorded by the operator is transmitted in real-time to the company's system, allowing the head office to track activities and confirm successful delivery.

/ Benefits /

The Apra – Var Group project for Goldengas offers multiple benefits, including the simultaneous recording of order delivery data by operators and seamless communication between the F110 tablet, which hosts the new application, and the delivery vehicle's tank. The system enables real-time reception and transcription of material unloading data at the exact moment of delivery. Additionally, it allows operators to open and close the dispensing valve directly through the application, based on the correct coordinates provided by the end customer. With i-gas, it is also possible to track and manage the regeneration and scrapping processes while ensuring periodic inspections and maintenance of valves and tanks.

Once the order is completed with the successful delivery of LPG, the operator can independently send the electronic invoice to the customer and print the legally required delivery document directly from the vehicle. This document includes all updated order details, such as the payment method and the actual quantity of material delivered.

Goldengas' project, born from the collaboration between Apra–Var Group and Getac, has allowed the company to digitize a wide range of daily and essential processes. The new business data management system, along with professional hardware solutions, has enabled Goldengas to standardize and streamline its operators' activities, minimize the risk of human error in data transcription, and respond quickly and efficiently to new security and management control regulations.

