



Healthy bread, from recipe to logistics

Galileo Technologies CNG compressors and dispensers propel the fleet of the bread manufacturer Grain Holding

Grain Holding installed a CNG Microbox™ compressor and an EMB™ dispenser to fill the tanks of their 90-van distribution fleet at their new plant located in Ryasan, Central Russia, 121.8 miles (196 kilometers) Southeast of Moscow.

Grain Holding focuses on the industrial production of traditional Russian bread by using modern technology, developing a healthy and environmentally friendly approach. Hence, logistics should reflect this same way of doing business.

The MCS 132-3-1500-12 CNG Microbox compressor offers a total compression capacity of 1011 normal cubic meters per hour (Nm³/h) [325 gasoline gallon equivalents per hour (GGE/hour)] and a discharge pressure of 250 bar [3,625 pounds per square Inch (psi)]. In addition, every Microbox has an internal storage tank of 1,000 Nm³ [321 GGE], designed pursuant to ASME standards.

Both factors enable the ultrafast EMB® flow dispenser to fill a 60 standard cubic meters (Sm³) tank [2120 standard cubic feet (scf) –20 GGE] in the average filling time of approximately 7 minutes.

The efficient performance of this CNG filling station motivated Grain Holding to award Galileo Technologies a contract for the provision of additional CNG compressors and dispensers to service the fleets of other two bread-baking complexes located in Podolsk and Kostroma.





From these facilities, Grain Holding distributes baguettes, bread, traditional mixed bread, bread dough rolls and puff pastries in an area in Central Russia with more than 22 million consumers. Its own retail network comprises 36 retail outlets, including 4 large markets, one supermarket—Sudarushka—and 45 outlets from the Trading House “Russian Bread.”

About Grain Holding

The Grain Holding Group of Companies is a corporate association in the form of a stock corporation whose shares are not traded at the stock exchange. The group is characterized by a vertical integration comprising two grain elevators, two mills and five bread-baking complexes; apart from one grain elevator in the Stavropol Territory, the key companies are located in Central Russia.



Galileo

Since 1987, GNC Galileo Technologies has been a global leader in modular and scalable technologies both for CNG and LNG production and transportation. Its portfolio includes the widest range of compressors and pumps for vehicles and vessels, upstream compressors, gas treatment plants, pipeline boosters, fuel boosters and the Virtual Pipeline™ system for gas supply by road, thus reaching communities and industries far away from gas pipeline networks. Headquartered in Buenos Aires, Argentina, it has four manufacturing plants equipped with state-of-the-art machinery centers which feature a multi-tasking cyber-manufacturing technology. In addition, its ongoing assistance network is carried out by representatives in every continent, a Service and Training Hub in Los Angeles, USA, and through its own SCADA system. Customers in 65 countries in Latin America, USA, Europe, Africa and Asia trust in its engineering to develop clean fuel solutions from any gas source.