

Reliable inventory management solutions

Grupo Burgos relies in measurement technology from Endress+Hauser



Grupo Burgos SA de CV is a group of enterprises with businesses related to transportation, storage, distribution, and sale of refined oil products, their main values are quality, quantity, and on-time delivery.

Located in Reynosa, in the northern part of Mexico and close to the border with the United States, it's one of the mainland ports of commercial exchange between these two countries.

"The Endress Hauser high-end technology solution allows us to provide to all of our client's access to real-time information about their transactions since the moment their truck arrives at the terminal and is being filled, until the moment the batch ends. It's state-of-the-art technology."

Jorge Alberto García Velasco
CEO Grupo Burgos, Tamaulipas,
Mexico



Due to energy reform in the country, Grupo Burgos saw the opportunity to expand and diversify his business. To perform this, they were in the need of finding a company that would be able to define and set up together with them a state-of-the-art automation infrastructure that helps them to have safe, accurate, and streamlined operations.

Customer Challenge Grupo Burgos had an expansion project for its existing terminal in Reynosa and invited Endress+Hauser to offer a comprehensive automation solution for its terminal.

The Group's main goals were to increase the operational capacity of the terminal and have the most secure, automated, and state of the art refined products storage terminal in Mexico. This terminal has a storage infrastructure of 68,000 barrels, as well as eight truck unloading and eight truck loading systems.

Grupo Burgos had a clear target in mind, they wanted to have the most automated terminal in the country in

compliance with the recently updated and released measurement and safety regulations.

Our solution In general terms, the customer operations are based on the accurate and precise control of loading and unloading activities, inventories, access, and exit of trucks and drivers and transactional log of every product movement, everything in a safe environment.

In Endress+Hauser after more than 65 years of experience in the process automation field, we have developed solutions that fit and fulfill each part of the customer's needs starting from the executive's needs and drilling down into every operational need. The main topic is not the supply of hardware and software but the understanding of the challenges and needs of each stakeholder of the facility, so the challenge was to identify each stakeholder and then his specific need, challenge, and pain.

This could sound difficult in a first approach but as Endress+Hauser we have developed methodologies that



Servo tank gauging instruments offer high precision measurement.

help us to perform this activity in a lean way that brings out the key elements of the business case and then translate those insights into technical facts that become the scope and deliverables of the project, this is what we call Business Process consultancy.

From the customer perspective, this way of advisory and mentoring helps

them to clarify the key elements of their project but even more important the precise deliverables in terms of KPI's and reports that will help them to manage their business more efficiently.

Benefits and value created for the customer These are some of the key benefits precibed by the customer:

- Now with the implemented operations KPI's, customer can easily identify how its terminal is performing.
- Now with the implemented automatic electronic reporting, everyone in the terminal receives the information they need just before the start they start their shift.
- Now with the implementation of electronic tablets, they increased their efficiency in their workflow by 30% and reduce the use of paper by 50% for field operations.
- With their new Terminal Automation System, they have complete transparency and traceability of their transactions and they reduced the time invested in operations audits by 70%.
- With the use of state-of-the-art Coriolis technology, they reduce their loading and offloading volume uncertainty by 50% compared with the use of not high-performance PD meters.
- With the use of servo technology now the customer can measure the bottom water level in the tank from 1 cm, which means, a better calculation NSV calculation and therefore a more accurate terminal balance.

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