



Grundfos Dosing Solutions

Power Operational Excellence for a FMCG Leader

About the Customer

The customer is one of India's leading fast-moving consumer goods companies and has been a pioneer in delivering high-quality products. Having over 50 brands across 16 categories such as personal care, home care, and food and beverages, the customer is also deeply committed to sustainability, integrating environmentally conscious practices into its operations and product innovations.

The Situation

The customer was looking to add Vitamins as an ingredient for its final product.

The Challenge

The process demanded significant manpower and storage space, while also posing considerable challenges in maintaining a hygienic and safe workspace—critical for operational efficiency and compliance.

The Solution

Grundfos thoroughly analysed the process and introduced their advanced Dosing Tank System (DTS), equipped with DDA series dosing/metering pumps made with food-grade materials. These pumps were seamlessly integrated into the customer's SCADA system, revolutionizing their operations.

With this upgrade, the customer gained real-time monitoring of dosing operations, including key data like batch volume, dosing time, and faults. They can remotely adjust settings, and the DTS ensures $\pm 1.5\%$ accuracy, far surpassing the limitations of manual addition.

The Outcome

Grundfos' advanced Dosing Tank System (DTS), equipped with the innovative SMART DDA - FCM Digital Dosing Pump, transformed operations by delivering real-time process insights through its cutting-edge data communication features.

The customer gained unprecedented control, seamlessly adjusting operating parameters remotely via their plant's SCADA network, ensuring optimal performance and efficiency.

Key Highlights



Improved Efficiency:

Improves process efficiency by integrating monitoring and controls with the plant SCADA network.



Reduced OPEX:

The customer reduced its operation expenditure on the chemicals due to better accuracy, manpower costs were reduced considerably, and the dosing quality and control improved significantly.



Packaged Solution:

A compact packaged solution minimizing carbon footprint and manual intervention.