

Endress+Hauser calibration ensures product quality

Al Safi Danone optimizes downtime and reduces production losses with flexible calibration



Al Safi Danone Ltd.

Member of the world renowned Danone Group, and located in Al Kharj, around 120 kilometers from Riyadh the capital city of the Kingdom of Saudi Arabia, Al Safi Danone Ltd. specializes in the production of dairy products. It is a leader in the regional food and beverage industry.

"Getting instrument calibrations completed per the production plan is especially tough in the dairy business. At Al Safi Danone we've very much appreciated the support of Endress+Hauser. Our calibration program is always on track and our instruments are working with accuracy."

Syed Muhammad Aafaq Ashraf
Automation Engineer
Al Safi Danone Ltd.



Calibration is necessary, so a robust calibration schedule to ensure minimal downtime is vital

With milk and dairy production running 365 days a year, removal of measurement instruments for calibration posed a significant challenge for Al Safi Danone. Endress+Hauser's customized and flexible calibration process ensured Al Safi Danone's production could continue unhindered.

The results

- Al Safi Danone's production equipment always available as required and functioning as specified
- Timely issuance of calibration certificates for food safety and CCP Audits

The customer's challenge Al Safi Danone does not underestimate the importance of timely and accurate calibration of its production equipment to minimize waste and enhance the quality of output. Indeed, in an industry as demanding as Food & Beverage it is vital.

The question is, how can it be performed in a timely manner when the industry also requires maximum production availability to meet sudden fluctuations in demand?

The only option is to use the rare opportunities when production is delayed for cleaning to make the necessary interventions, regardless of the time or day of the week.

Our solution Endress+Hauser partnered with Al Safi Danone to design a customized and fully flexible approach for performing instrumentation calibration. Our solution included:

- A fully dedicated Endress+Hauser calibration team, consisting of one calibration engineer and one assistant technician, located just 10 kilometers from the Al Safi Danone site for quick support in close coordination with Al Safi Danone maintenance and instrumentation teams

- A mobile flow calibration van with calibration rig permanently stationed on site for rapid equipment mobilization

With such measures in place, calibration tasks are handled efficiently and timely, for example during production changeovers, at night or over the weekend. More than 600 flow, temperature, pressure and conductivity measuring points have been calibrated and never compromised the demanding production schedules.

About Al Safi Danone Ltd.

Founded in 1981, and a member of the world renowned Danone Group since 2001, Al Safi Danone has revolutionized the dairy industry in Saudi Arabia to become one of the most respected specialist dairy production companies in the world.

Al Safi Danone is committed to positively contributing to consumer health and lifestyle by providing a range of products that is as delicious as it is healthy and nutritious.

The food and beverage industry demands consistent supply according to the highest standards in food safety and quality. Endress+Hauser services help food and beverage industry customers by ensuring repeatability in processing, production availability and efficiency gains, whilst always meeting stringent safety and quality standards.



The Endress+Hauser mobile calibration rig was permanently stationed at Al Safi Danone for timely equipment mobilization

The customer's perspective "It is very important for a service provider to understand the business dynamics of its customer, and the Endress+Hauser team has proven that it excels in this aspect. Getting instrument calibrations completed per the production plan is especially tough in the dairy business. At Al Safi Danone we've very much appreciated the support of Endress+Hauser. The team's hard work, extreme flexibility for service

execution and prompt and clear communications for planning helped us to meet our timelines efficiently and ahead of time. Our calibration program is always on track and our instruments are working with accuracy. We are looking forward to continuing the partnership."

Syed Muhammad Aafaq Ashraf
Automation Engineer
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