

LLT100

Laser level transmitter solves vegetable cooking oil storage tank application issues



Everest Automation, a Canadian ABB channel partner sold and commissioned ABB LLT100 Laser level transmitter at a major Canadian multinational frozen food company in Atlantic Canada.

Measurement made easy

Introduction

This major Canadian multinational frozen food company in Atlantic Canada was using a Guided Wave Radar to monitor the level of vegetable cooking oil in their storage tank. The Guided Wave Radar level transmitter was setup to provide the required amount of cooking oil for the batch process.

Additional Information

Additional documentation on LLT100 is available for download free of charge at www.abb.com/level. Alternatively simply scan this code:



Challenge

—
01 LLT100 installed on the vegetable cooking oil storage tank

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02 Laser level transmitter LLT100

The customer was not comfortable with the fact that the Guided Wave Radar level transmitter was in contact with the process, especially since this was a hygienic process including possible coating issues.

Also, the Guided Wave Radar required mapping, and more frequent maintenance since the probe is in contact with the process.



01

The ABB Solution

The ABB LLT100 is a high-performance laser transmitter that accurately measures level, distance and position over short and long ranges.

It is a non-contact, level measuring instrument designed for industrial applications and harsh environments.



02

After evaluating different level measuring technologies, the ABB LLT100 Laser transmitter was selected since this level technology has no contact with the media, which was welcomed in these hygienic applications.

Also, the ABB LLT100 laser level transmitter requires no echo mapping, and is basically, maintenance free. Furthermore, the fact that no calibration was required on site was a huge bonus.

Conclusion

In conclusion, the customer went from a level measuring technology that required more frequent maintenance to a very reliable and trouble-free level monitor.

The customer is extremely satisfied with the ABB LLT100 solution and has plans to install ABB LLT100's on other vegetable oil storage tanks in the plant.

Combine this with the excellent after sales support of our local channel partner Everest Automation and you have a winner!

ABB Measurement & Analytics

For your local ABB contact, visit:
www.abb.com/contacts

For more product information, visit:
www.abb.com/level

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