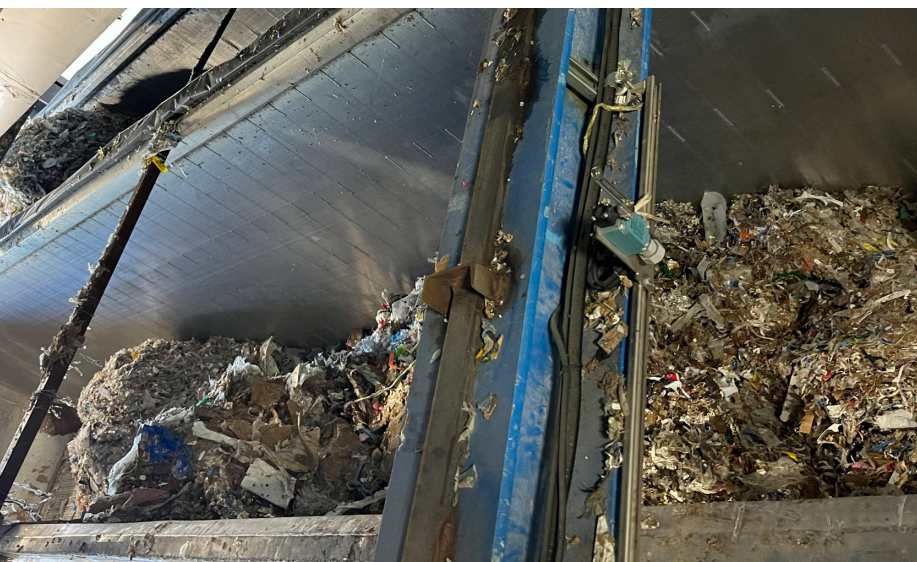


Success of Eight Laser Transmitters - LLT100s

Measuring levels in open top garage trailer



Everest Automation, a Canadian ABB Channel Partner, sold eight units of LLT100 laser level transmitters at a major tissue plant in Ontario, Canada.

Measurement made easy

Trailer fill using ultrasonic

Introduction

A major tissue plant had recurring issues with its existing open-path ultrasonic transmitters. They were providing false echos and erratic reading on this difficult level application.

The customer was looking for a permanent solution that would solve these issues and give him peace of mind for years to come. The Everest Automation team who is very familiar with difficult level applications presented our ABB LLT100 laser level transmitter and install a trial unit to demonstrate the flawless performance of the LLT100 laser level transmitter. The results exceeded the customer's expectations.



Mounting location over trailer

Challenge

Bales of used cardboard are brought into the plant for recycling. When the bales are dumped into a water tank to dissolve the cardboard, foreign packaging materials found in the components are collected and then rejected onto a conveyor. These rejected materials consist of plastic twine, Styrofoam, plastics, and metals. They are carried away along a conveyor and dumped into open-top trailers.

As the level of this garbage nears the top of the trailer, the level sensor provides the readings that instruct the controller to move the conveyor trolley forward, and the filling continues. The ultrasonic transmitter provided by the OEM was causing the trailer to overfill and sometimes leave gaps in the trailer.



Trailer fill using ultrasonic

The ABB Solution

The ABB LLT100 laser level transmitter was selected since no echo mapping is required, thus no false echoes in this changing environment. Also, the fact that no calibration was required on-site, was a huge bonus.

The LLT100 laser can also be installed close to the wall without any interference.



Mounting location over trailer

Conclusion

In conclusion, the customer went from an unreliable ultrasonic technology to a very reliable and trouble-free level monitoring with the ABB LLT100 laser level transmitters.

The ABB LLT100 laser transmitter was chosen as the best level measurement technology for the dump truck level. When combined with the excellent after-sales support of our local channel partner Everest Automation you have a winner!



Mounting location over trailer

ABB Measurement & Analytics

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

For more product information, visit:
www.abb.com/measurement
or contact us at:
lasers@ca.abb.com

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