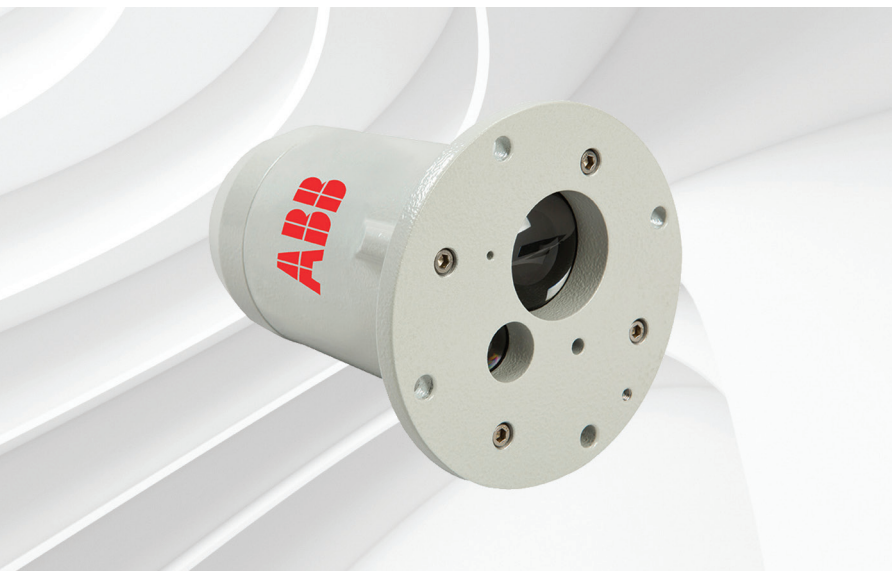


ABB MEASUREMENT & ANALYTICS | ARTICLE

ABB Measurement & Analytics

Thermal insulation manufacturer | Quebec | Canada



Everest Automation secures order for ABB LM80 laser level transmitter for a recognized thermal insulation manufacturer in Quebec, Canada.

Measurement made easy

Thermal insulation
manufacturer |
Quebec | Canada

Introduction

For over 40 years, this Canadian manufacturer has been investing in expanded polystyrene product research and development. Their core business is the building envelope, which includes wall, roof and ceiling, foundation, concrete slab and heated floor insulations.

The challenge was to measure the level of recycled polystyrene in silos/bins as all technologies they have tried so far have failed to give good and repeatable results.

For more information

Further details of ABB Measurement & Analytics products are available for free download from:
www.abb.com/measurement

or by scanning this code:



ABB solution

The main detriment factors were related to the low density, high static and low humidity of the product.

Laser technology was the best solution for them, as it was not affected by these tough conditions with the exception of high static created by the polystyrene. Our standard dust tube did not work properly as the polystyrene was sticking and accumulating inside the tube during the filling cycle.

Since this was the best measuring method, the customer, with our help, designed and built a deflector which mounts directly on the laser. A purge of air is applied to the laser on the filling cycle in order to eliminate any accumulation on the lenses.

In conclusion, the customer went from unreliable level monitors, which also required routine maintenance, to a very reliable and trouble-free level monitor.

The intent is to install the ABB LM80 laser level product on all their silo's/bins. In times where projects are mainly about price alone, this project demonstrates that there is still a need for technical and application expertise to provide the best solutions for our customers.

Combine this with the excellent after sales support of our local channel partner Everest Automation and you have a winner! In a continuous concern to meet his customer needs, Robert (Bob) Landry, Sales Manager for Eastern Canada at ABB Measurement Products, put all required effort resulting in this success story.



LM80



LM80 installed on-site



LM80 cleaned lens

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