

DIMETIX APPLICATION EXAMPLE

AE-1102

CONTROLLING OF THE FILLING AND POUR OF STEEL AND IRON

Industry : Metal industry
Application type : Level measurement / Monitoring

Brief description



Pic 1: Steel moulding

This application controls and monitors filling and pouring of molten steel and iron in the foundry. Dimetix sensors are in operation to measure the level of steel and iron in order to avoid an overflow.

The metals industry is a core focus for Dimetix AG, with extensive experience in integrated steel mills, foundries, aluminium smelters and steel mills driving the continuous development of monitoring solutions to best meet the demands of industry. Experience gained from several applications in the metals industry alone gives Dimetix a comprehensive understanding of the potential issues facing particulate monitoring for steel mills, in particular:

High temperature flue gases and high ambient temperatures create demanding conditions for sensors. Harsh and dusty environments require dependable and rugged sensor operation, where reduced sensor maintenance requirements, reduced sensitivity to sensor contamination, and a range of durable sensor options for challenging stack conditions are of significant benefit to plant operators.



Pic 2: Steel works

Customers advantages

- Measuring range 0.5 m up to 500 m
- Accuracy 1 mm
- Repeatability 0.3 mm
- Extended operating temperature
- Solid metal case IP65
- Supply voltage 9 – 30 VDC

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