Contribution ID: **360** Type: **Oral Presentation**

Ultrasonic steel level control: focus on performances and operability based on case study

Thursday 9 October 2025 11:00 (20 minutes)

The steel industry is increasingly seeking reliable and efficient solutions for steel level control that eliminate the need for radioactive sources. In response to this demand, Ergolines has developed an innovative technology that is gaining significant traction in the market, as evidenced by the growing number of installations worldwide. This paper presents a detailed case study showcasing the advantages of this solution in terms of measurement accuracy, operational efficiency, and overall cost-effectiveness. Specifically, the study highlights improvements in performance, reductions in operational time, and optimization of workforce utilization. By eliminating regulatory constraints and safety concerns associated with traditional radioactive-based systems, this technology offers a sustainable and future-proof alternative for steel manufacturing processes. The findings contribute to the ongoing discussion on modernizing steel production through advanced, non-radioactive measurement technologies, ultimately enhancing process reliability and economic efficiency.

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Session Classification: Automation & Process Control

Track Classification: Steelmaking - Continuous casting, near-net shape casting and ingot casting