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Celsa France Increases Production with Upgraded Finishing Block by Primetals Technologies

- **The upgrade has significantly increased Celsa France's mill availability and production levels**
- **Morgan Vee No-Twist Mill improves product quality and reduces operational costs**
- **Reform tub minimizes coil height, eliminates stray rings, and reduces delays in downstream processing**

Primetals Technologies recently received the final acceptance certificate (FAC) from Celsa France for a successful upgrade to the finishing end of the company's wire rod mill, located in Bayonne, France. The project involved replacing the finishing block and reform station, providing a solution to issues caused by a third-party supplier's previously installed equipment, which had repeatedly led to unplanned downtime.

Celsa France selected Primetals Technologies for the upgrade based on the companies' longstanding partnership and Primetals Technologies' strong track record of high-performing references.

The upgrade included a new 10-stand Morgan Vee No-Twist Mill featuring a 3-Hi speed increaser gearbox, as well as a replacement of the 1,200 mm Reform Tub.

Morgan No-Twist Mill – Quality Improvement

The new 10-stand Morgan Vee No-Twist Mill at Celsa France addresses the downtime issues of the previous installation by ensuring stable, reliable operation at speeds up to 105 meters per second for low-, medium-, and high-carbon steel grades. Overall mill productivity has increased thanks to quicker, more efficient rolling, while maintenance costs and roll change times have decreased.

The new 3-Hi speed increaser gearbox links up to the newly installed No-Twist Mill and Celsa France's existing motor position, demonstrating the technology's design flexibility and compatibility with existing mill hardware.

Reform Tub Enhances Downstream Processing

The patented ring distributor, as part of the newly installed reform tub, minimizes coil height and eliminates stray rings. Additionally, the ring distributor ensures tangle-free payoff, dramatically reducing delays in downstream processing.

Celsa Group is Europe's first circular, low-emission steel producer with the largest circular supply chain in the continent. The company recycles ferrous scrap to produce steel in electric arc furnaces using the most sustainable, environmentally, and energy-efficient technology for the construction, automotive, energy, and oil and gas sectors. Its finished products include merchant bars, reinforced steel, wire rod, wire, billet, structural sections, and more.



Newly installed Morgan Vee No-Twist Mill from Primetals Technologies at Celsa France's wire rod mill



Newly installed Reform Tub at Celsa France's wire rod mill

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