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## On-line laser cleaning of skin pass rolls

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This abstract is related to the EU RFCS project OLACSKIN, focalised on the removal of zinc stains and zinc fouling by laser cleaning at the skin-pass mill.

This presentation will be focused on the characterisation of the work rolls contamination and the first results obtained on zinc removing by laser.

If successful, this project will result in a yearly reduction of: 30.000 m<sup>3</sup> of wastewater, 40 m<sup>3</sup> of detergent, and a significant amount of energy (about 18 kW continuously for high-pressure pumps).

In addition to significantly reduces environmental impact, offering a more sustainable and eco-friendly skin-pass operation, it will also open up new opportunities into 'dry skin-pass rolling' and could give a solution as substitute for CrVI coating of rolls.

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