

Case Study: Copy Paper Mill Trial

Filler increase for cost saving and fibre reduction

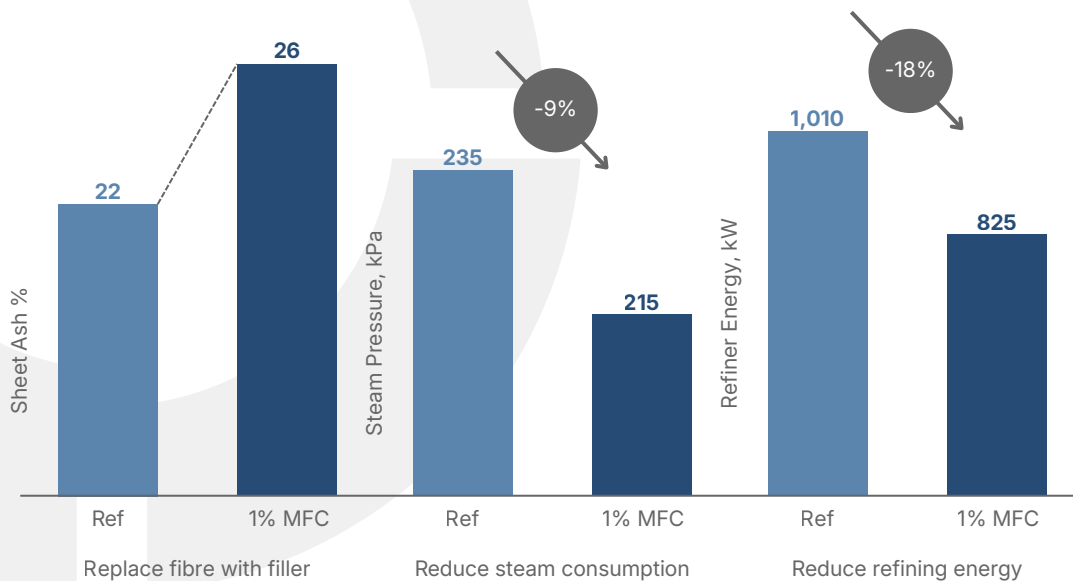
Background:

- Offset paper: 80 g/m²
- Initial paper filler level: 22%
 - Filler: PCC
- Market hardwood pulp
- MFC produced with G250 grinder using eucalyptus pulp

Trial objectives:

- 1% MFC dose
- Increase paper filler level
- Maintain paper properties
- Demonstrate cost saving potential

Trial Results



Trial Outcomes:

- ✓ **Ash increased** from 22% - 26% with maintained paper properties
- ✓ **18% refining energy reduction** with maintained paper properties
- ✓ **9% steam consumption reduction** due to higher filler loading
 - ✓ Maintained runnability
 - ✓ Substantially reduced curl
- ✓ Estimated **15 - 25 EUR/t cost saving**



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