



Ranheim Paper & Board

Felles laginnsats gir store energibesparelser

Renate Gjørva Ringstad

Agenda

Historie

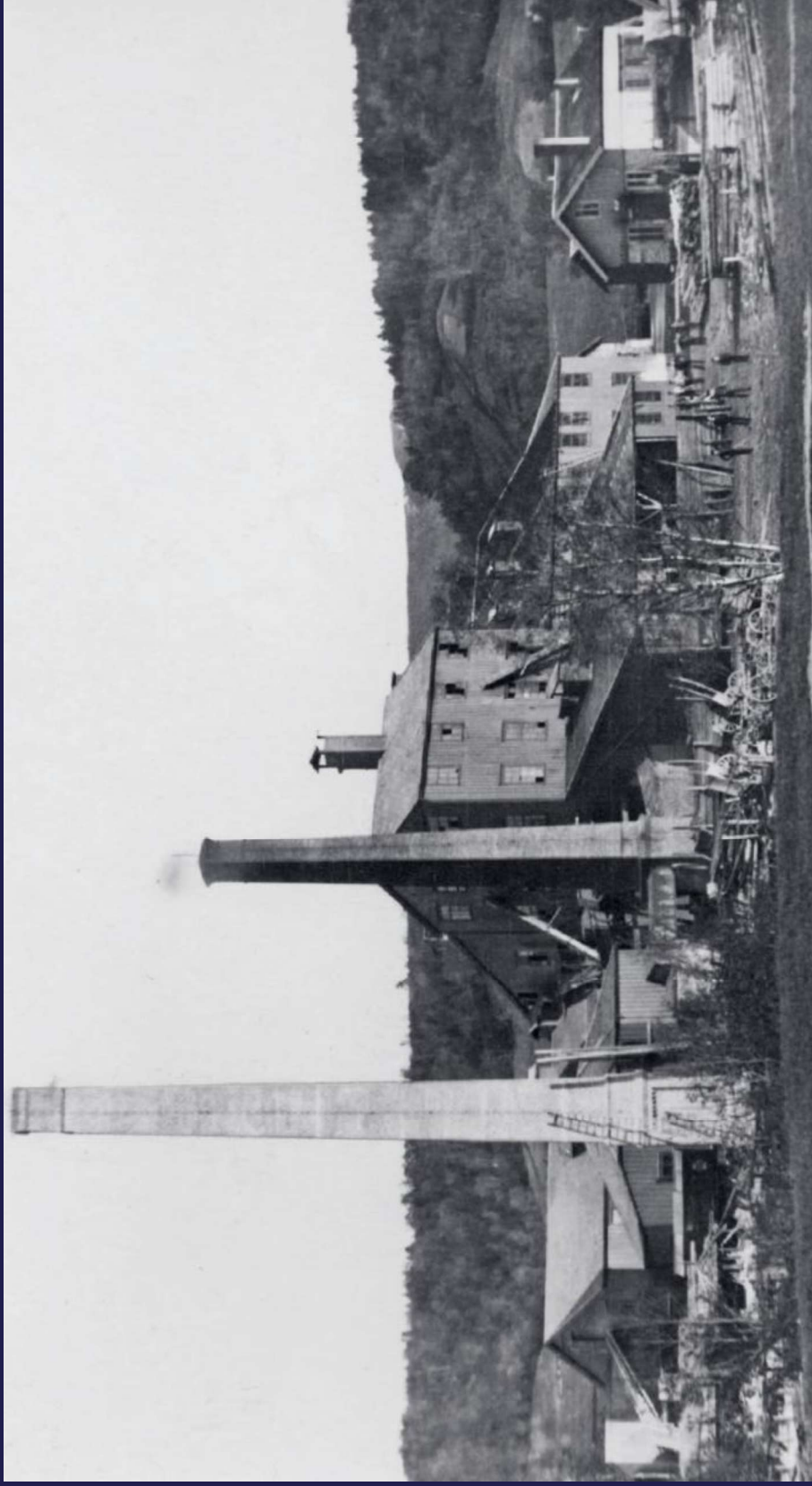
Vann- og massebalanse

Råstoff

PM5 og PM6

Resultater

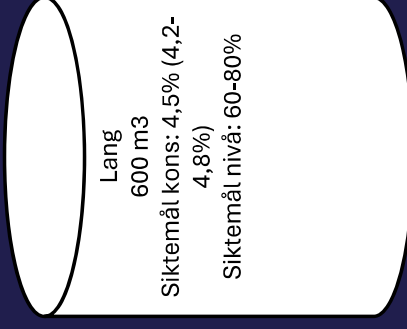
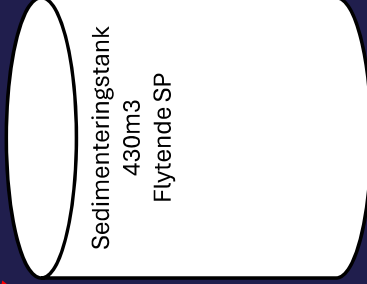
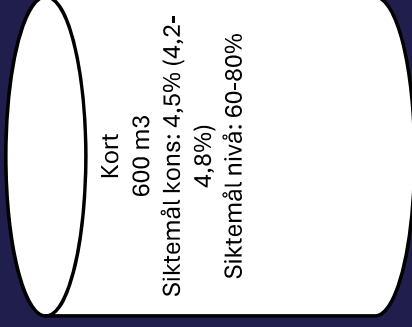
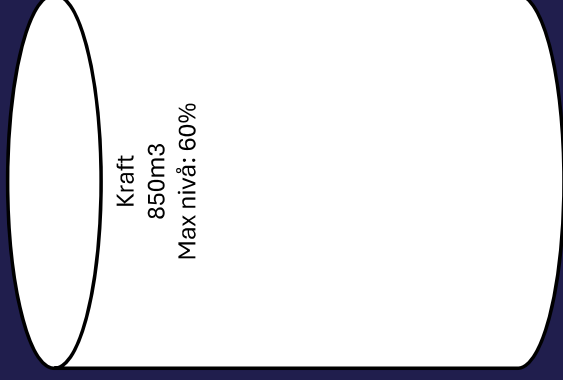
Historie i 141 år



Ranheim Cellulosefabrik etableres den 13. mars 1884.

Vannbalanse vs massebalanse

Vanninntak gir vannutslipp



2450 m3

730 m3

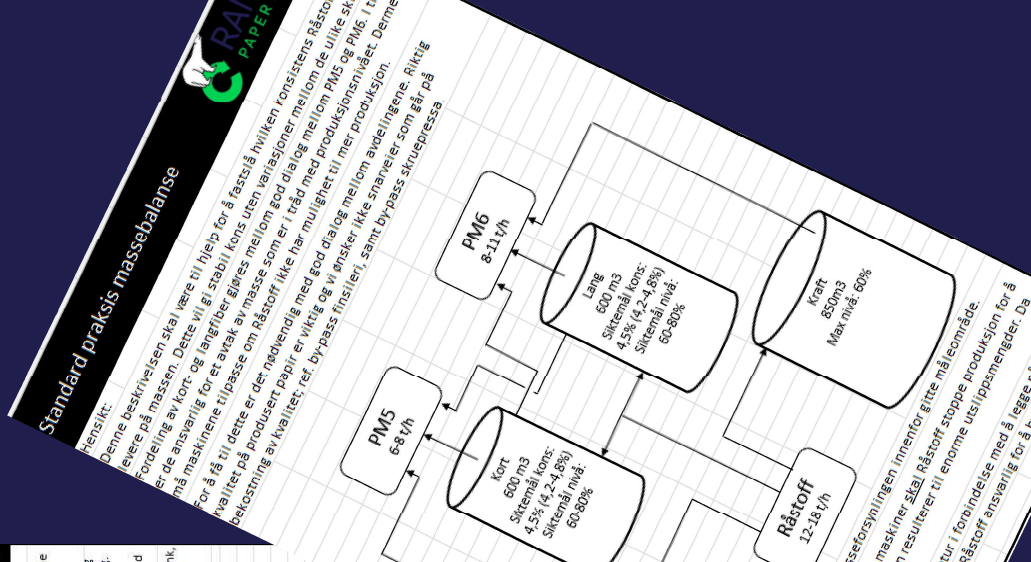
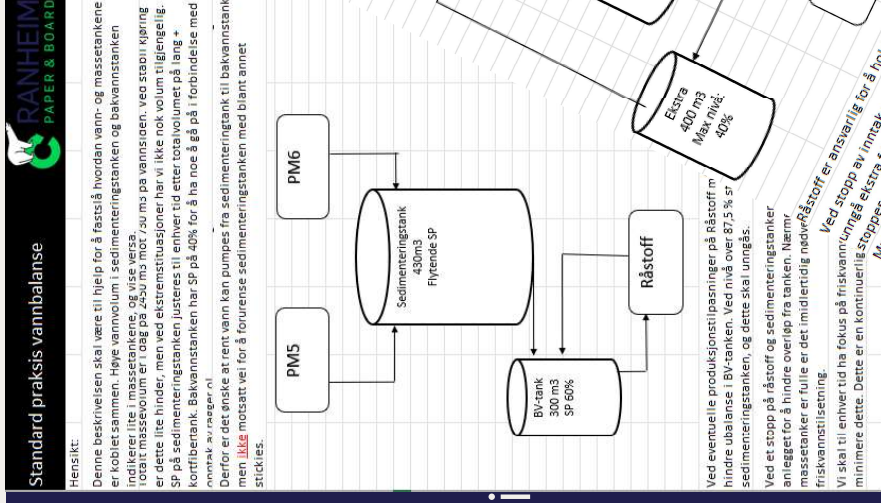
Råstoff/Fyrhus

Vannforbruk

- Fra batchoppløsning til kontinuerlig
- Vannbalanse gir mindre utslipp
- Kjøreregler for vann og massebalanser
- Ubalanse på råstoff og vann ble pumpet feil vei (stickies-problem like etter)
- Mekaniske pakkbokser

Prosjekter

- Finsilleri



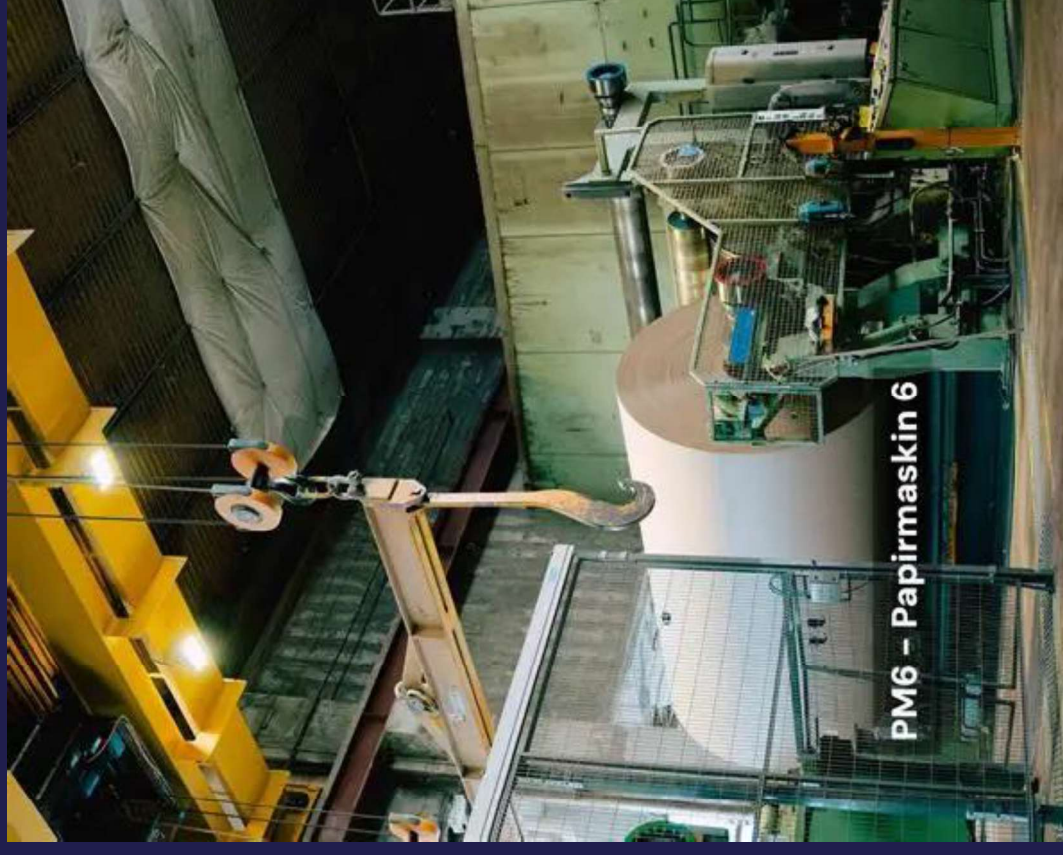
PM5 og PM6

Vannforbruk

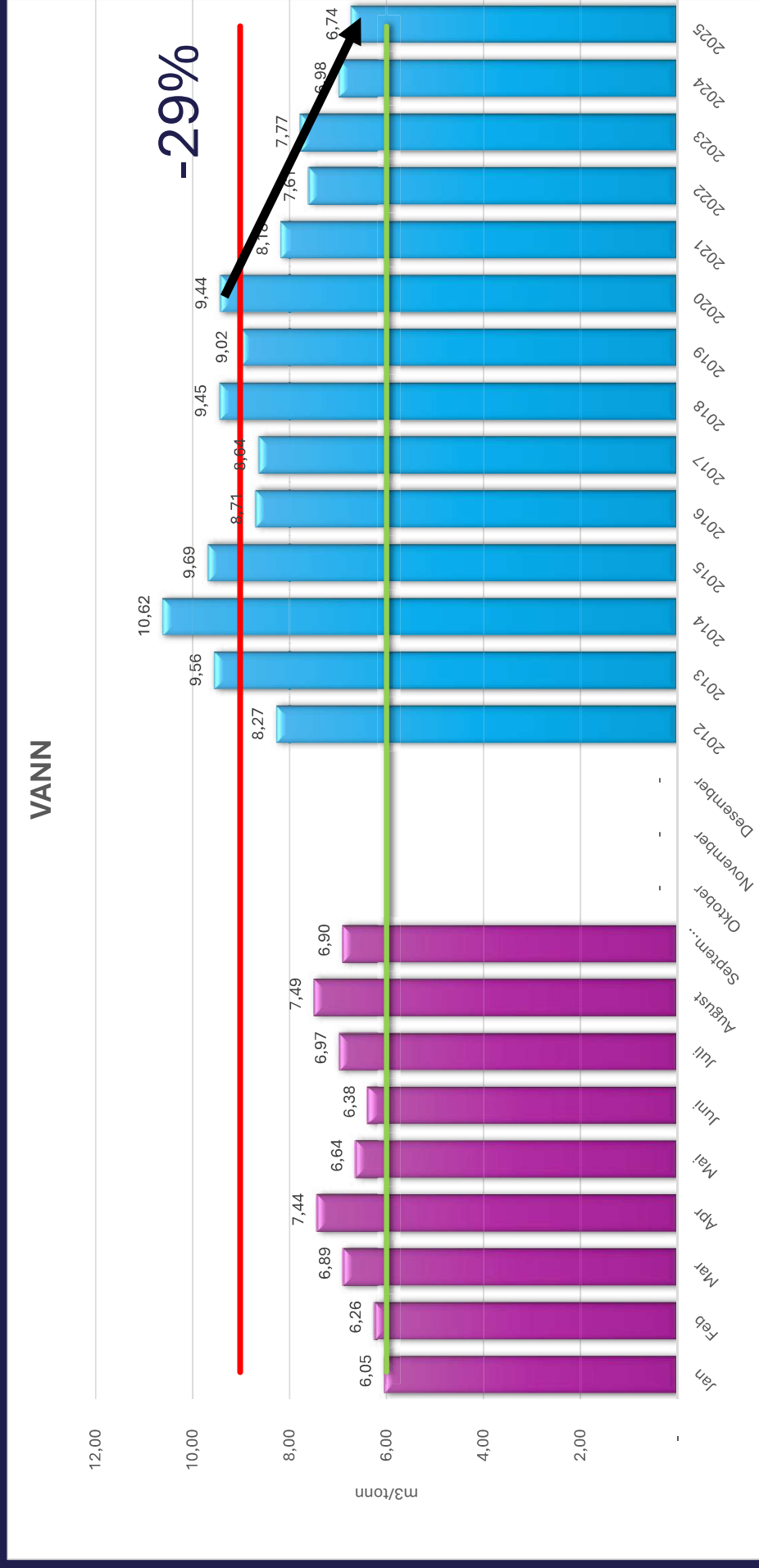
- Kantlinjaler
- Kjemikalier
- Spraystivelsesoppløsning
- Mekaniske pakkbokser
- Stickies rengjøring
- Vacuumpumper

Prosjekter

- Varmegjenvinning
- Ombygging til moderne drifter PM5



Vannforbruk



Energiforbruk

ENERGY

