



# CASE STUDY: BROWNFIELD EXCELLENCE

## EFFORTLESS INTEGRATION.

## ENGINEERED FOR PEAK EFFICIENCY.

Revolutionizing salt production: How Titan Salt and Ferrum collaborate to reduce costs and maximize operability. Titan Salt, a leader in salt production systems, joined hands with Ferrum, a leader in pusher centrifuges, to meet the needs of the customer.

### CHALLENGE

1. Requested an integrated equipment package to replace a top feed filter enhancing operability.
2. Emphasized reliable operation with reduced energy and water consumption to boost profitability.
3. Required seamless integration into the existing space without compromising efficiency, minimizing modification costs.

### COLLABORATIVE SOLUTION

- + **Titan 3D scanning:** For seamless integration into the existing space
- + **Titan slurry transport:** Efficient transportation of large amount of salt
- + **Titan head tank:** Steady slurry control with possibility of washing
- + **Ferrum centrifuge:** High throughput, low moisture, with integrated pre-thickening screen as option
- + **Titan switchbox and wet salt screw:** Ensures no lump formation and prevents unexpected shutdowns
- + **Titan dryer:** Minimal energy consumption with extended runtime



### OPTIMIZED FIT

Seamless integration  
into existing space



### ENERGY SAVINGS 35%

Energy consumption  
down 35%



### WATER SAVINGS 80%

Water consumption  
down 80%



### HIGH UPTIME

High uptime and minimized  
shutdowns

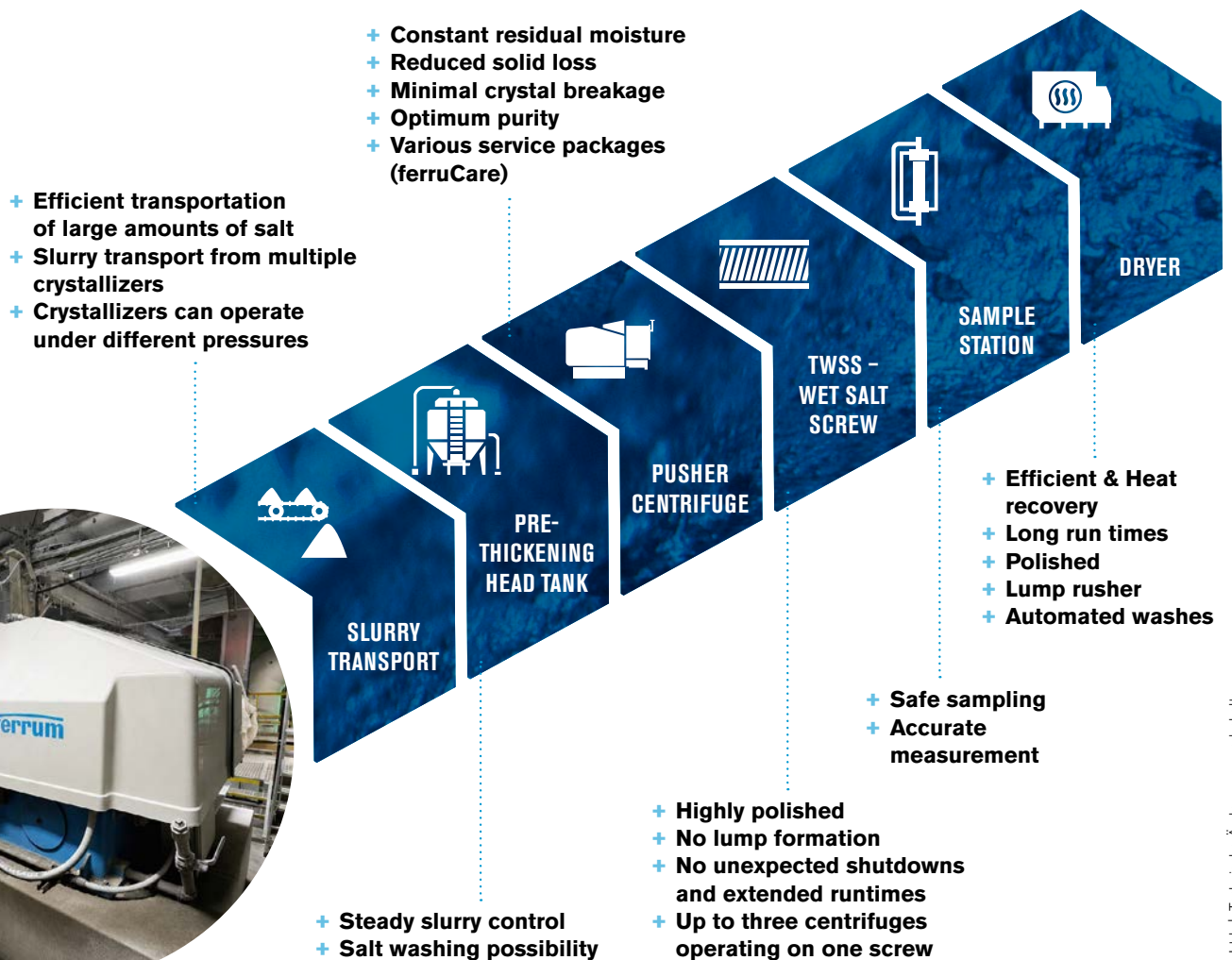
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# THE KEY TO CONSISTANT PERFORMANCE

Ferrum's pusher centrifuge has been a game-changer for US-Salt's production. Its consistent and reliable operation has significantly increased uptime, allowing to meet production targets without unexpected interruptions. US-Salt has also seen a noticeable improvement in the efficiency of their salt separation process, leading to higher quality output and reduced waste. Knowing that Ferrum also have strong customer support gives US-Salt real peace of mind.



«This pusher centrifuge has significantly boosted our salt production with its reliable operation and increased efficiency. We've seen less downtime and higher quality output. Plus, their customer support is excellent!»

Todd Reasons