

OFFERING COST EFFECTIVE ALTERNATIVE SOLUTIONS TO TRADITIONAL BUCKET ELEVATORS — SCREW ELEVATORS . . .

SN Engineering recently completed a turnkey conveying; storage & out-loading project for new powder bulk storage & handling facility. Pre-requisite for the project was rapid vehicle loading efficiency & total independence from existing loading facility which had to remain fully operation throughout the build.

## Bringing alternative elevator solutions . . .

Following a full site survey a suitable location was agreed for a single 150Te silo, from our 5mØ SP series of panel silos, c/w compact out loading structure – due to the very tight site parameters. To ensure rapid filling of said silo, from adjacent bulk store, a twin system of open *pit screws* were designed to ensure rapid extraction out of the store.

These in turn feed into a pair of horizontal units that run alongside the bulk store keeping them away from site traffic flow. These in turn feed directly into a pair of

18m vertical screw elevators. Each elevator were designed & manufactured with machined bearing housing, to ensure concentricity, and all flights were machined & dynamically balanced after manufacture to ensure vibration & trouble free operation. Each bearing was then fitted with automatic pressurized lubrication systems to ensure maximum longevity of operation.

Each system runs @ +100Te/Hr thus ensuring out loading silo can be filled rapidly for those high demand peaks.



### Screw Conveying Spotlight . . .

STANDARD & BE-SPOKE SCREWS & SYSTEMS



INDIRECT FEED OR INTEGRAL FEED OPTIONS AVAILABLE



SHAFTLESS FLIGHT & MATERIAL OPTIONS ALSO READILY AVAILABLE



## Getting the most from our screw elevator design expertise . .

*Forefront shows the 150Te out-loading silo & twin screw elevators. System designed for single or twin system operation, therefore 100 or 200Te/ Hr silo filling. Vertical screws are each independently fed via 16m horizontal units that are in turn fed via an 'open pit' extraction screws designed with integral throttle slide for system optimisation.*

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Questions or comments? E-mail us at [info@sneng.co.uk](mailto:info@sneng.co.uk) or call +44 0 1452 725210