



POWDER PROCESS DESIGN SERVICES LIMITED

Address: Brooklands
Church Lane
Bramshall
Staffordshire
ST14 5BQ
ENGLAND

Telephone: +44 (0) 845 094 1248
Email: sales@powder-processing.co.uk
Website: www.powder-processing.co.uk

CASE STUDY

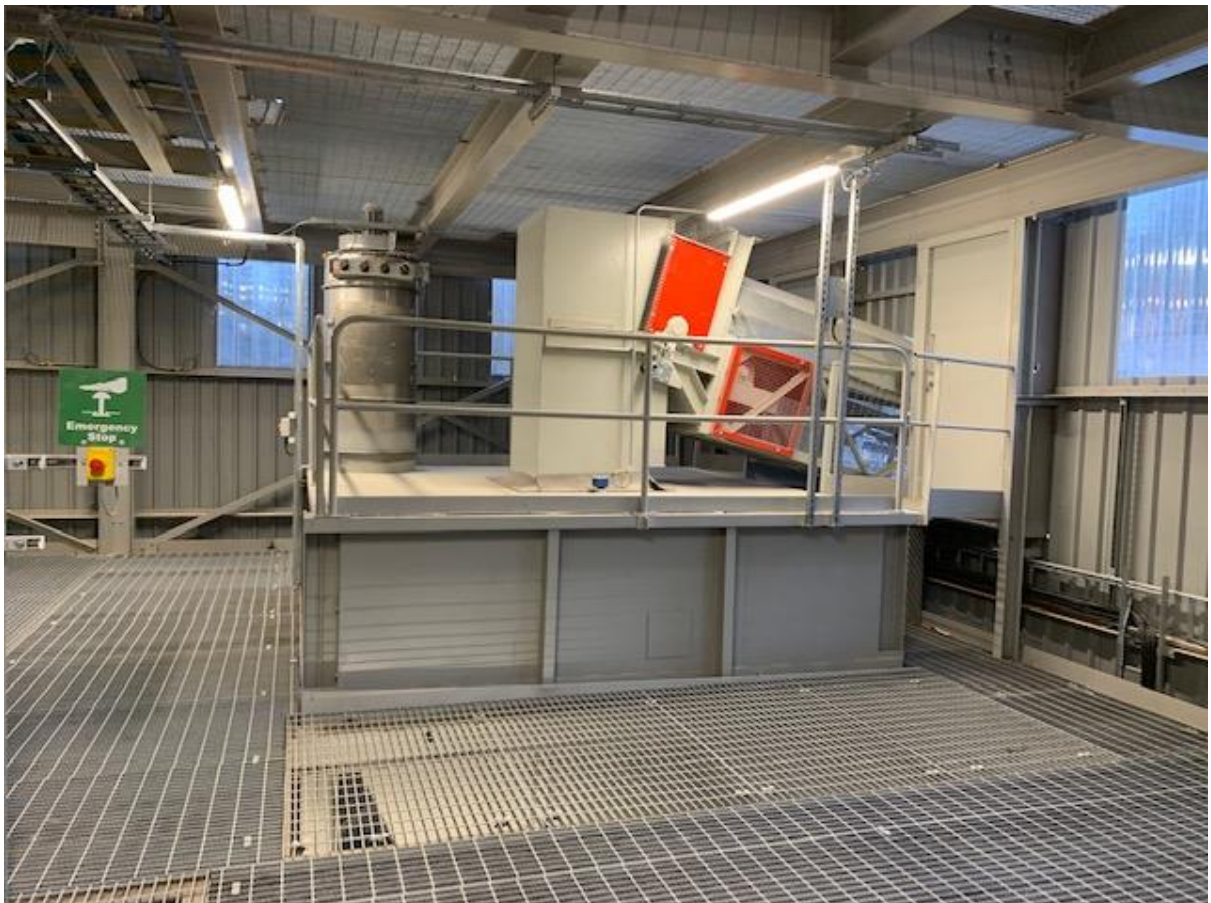
Design, supply, installation and commissioning of Mill system to produce Limestone Powder & Grits



Primary and Secondary Feed Bunkers with Main Conveyor



Process Building



Main Conveyor Discharging into Mill Feed Hopper



Ring-Roller Mill with Feed System



Air Inlet Ducting to Mill and Main Fan



Main Fan and Two-Stage Modulating Burner providing efficient in-circuit drying



Burner and Mill Feed Arrangement



Whizzer Classifier for production of powders in the range of 99% passing 250 to 38 μ m



Classifier Rejects off-set cone with positional diverter valve allowing for regrind or transport via elevator to grits plant



Cyclone Inlet and Air Discharge



Vent Filter and Cyclone Discharge



Cyclone and Filter Material combine in surge hopper with in-process particle sizing



Blower and Surge hopper for product transfer to silos



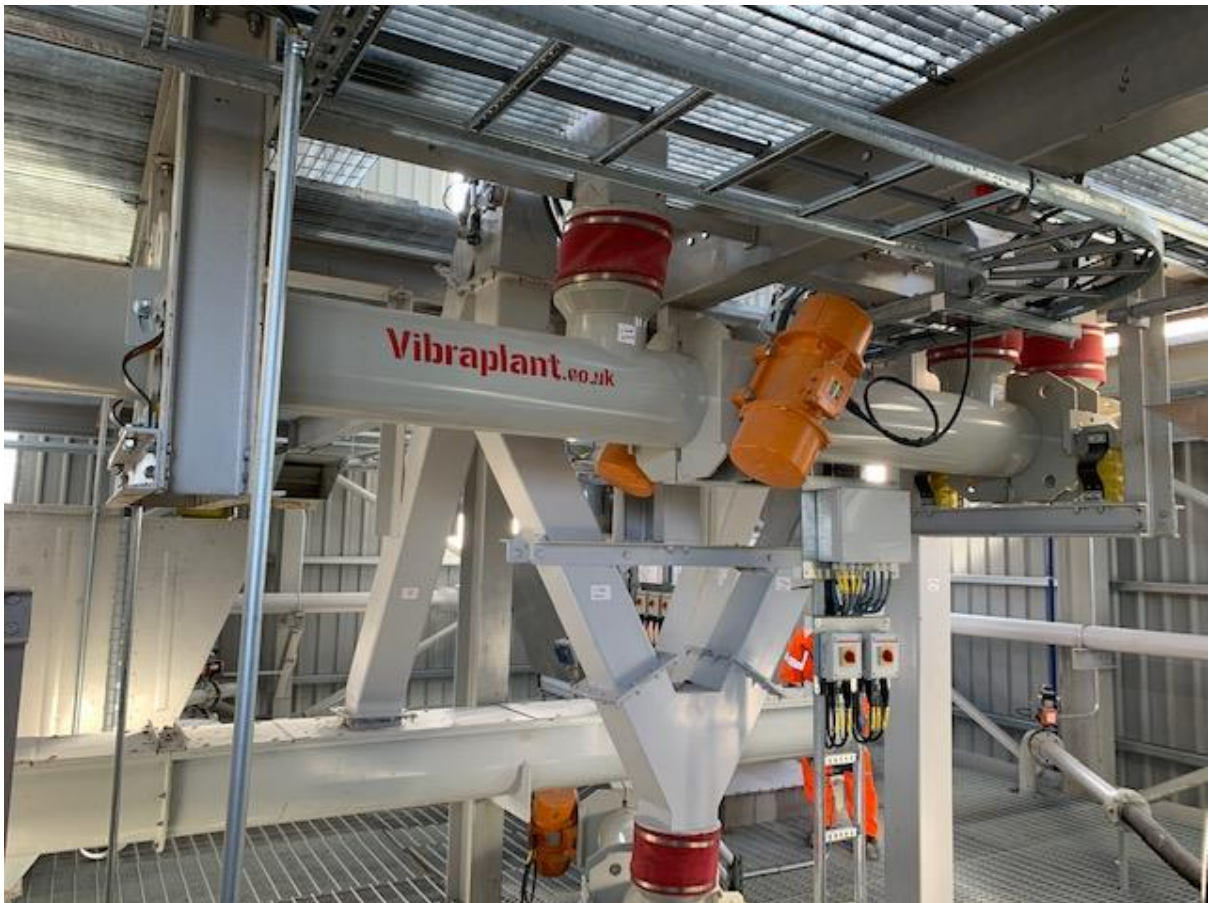
Powder Silo tops with diverters, filters, and instrumentation



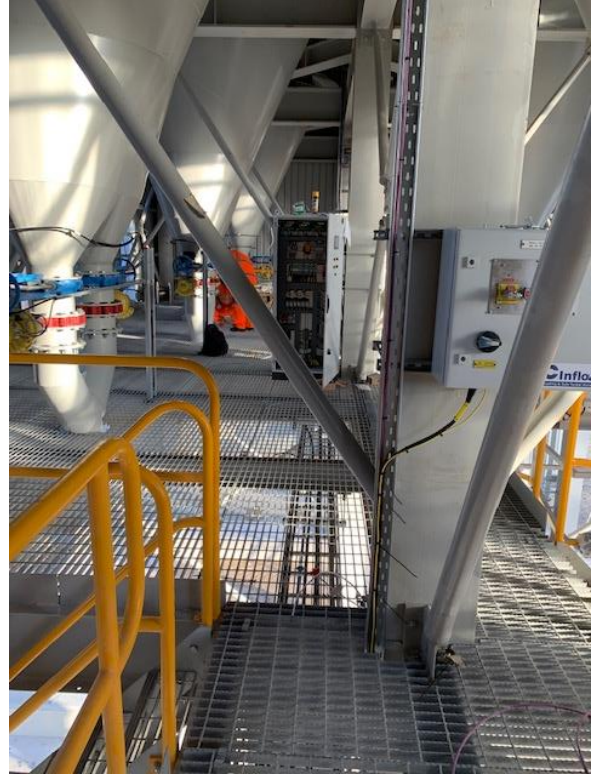
Mogensen Screens – screening grits between 4 and 1 mm



Rotex Locker Screen- precision screening of Mogensen undersized material



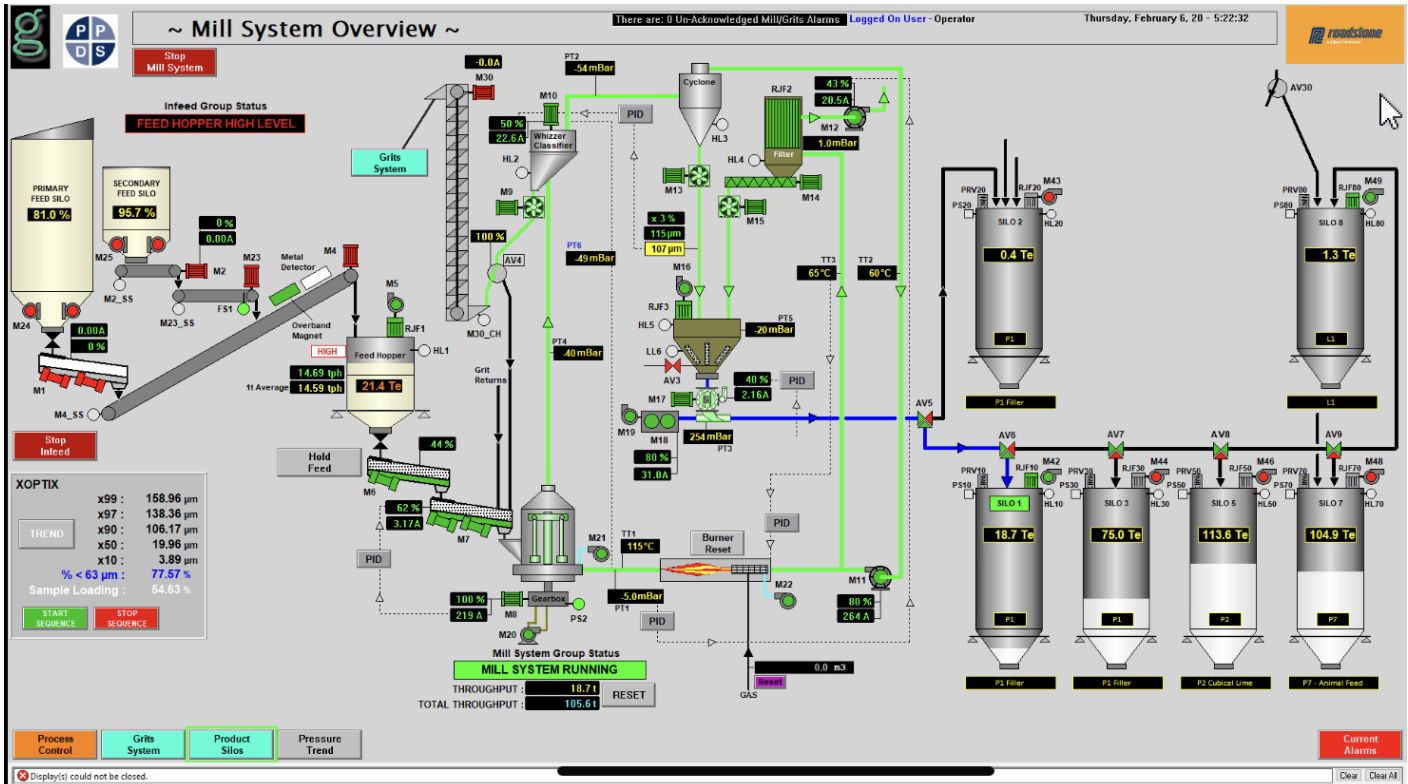
Vibratory conveyors, screws and diverter arrangements give complete flexibility with grits production



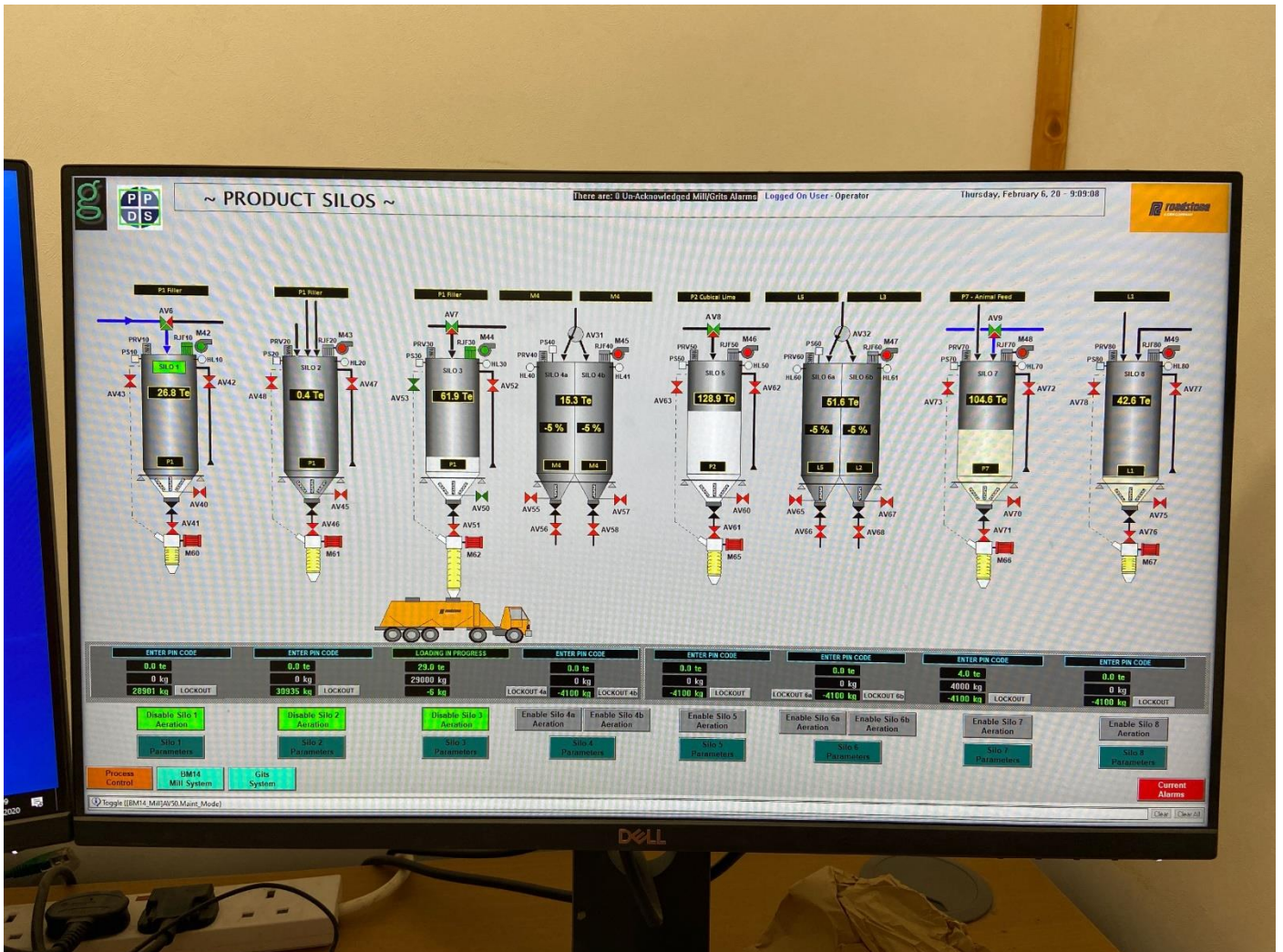
Tanker Discharge Level



First Tanker ready to load



Control Screen on SCADA



Control Screen on SCADA