HIGH VOLUME BULK PLANT

DESCRIPTION

Sanjel Energy Services High Volume Bulk Plant is fully automated to deliver customizable blends that meet API specifications. The Bulk Plant is designed to meet the highest safety standards and minimize risk to both the operator and the environment. The Bulk Plant is capable of blending multiple products concurrently at high rates to enhance delivery efficiency.

APPLICATIONS

- Available for regions where high efficiency blending and throughput are required to meet client demand
- Applicable in basins where cementing requirements are expected to change over time and require customizable and scalable solutions
- Suitable for all weather conditions including temperature and humidity ranges
- Upgraded plant design features including improved lighting, noise reduction and reduced overhead hazards enhance personnel safety
- Reduced environmental impact due to rigorous dust containment measures

PERFORMANCE

- Vacuum and pressure pneumatic movement used to generate blending volumes in excess of 4.0 tonnes/minute
- Design efficiencies built into the plant allows over 2,000 tonnes of cement to be blended daily
- Triple sampling points and methods are integrated into plant design to ensure blends are consistent with API specifications
- Blend train design allows multiple blends/loads to be concurrently generated without compromising the quality of the finished product
- Configurability of bulk plant allows for integration of blended product silos providing dedicated and on demand cement blend storage
- Continuous improvement measured through data logging and analysis against KPI's

EQUIPMENT

- 62 m^3 Super B Pneumatic Bulker
- Centralized PLC automation control system with redundant operation methods located in a pressurized command center
- Remote bulk plant automation with the use of a wireless tablet allows operators to view blending while maintaining control of the plant
- Electronic traceability of blends through bulk product silos and bagged additive systems that are scaled
- Multi-movement blend train that produces cement blends meeting API specifications
- Redundant pneumatic transfer systems contained in sound proof room
- Redundant power system provides continuous operations in regions with history of electrical interruptions
- Dedicated dust control systems for individual plant modules are deployed in critical areas of the plant to significantly reduce fugitive emissions
- Real-time integrated inventory management through PLC controls streamlines inventory replenishment