



# SANJEL ENERGY SERVICES BULK PLANT

## DESCRIPTION

Sanjel Energy Services Bulk Plant is partially 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
- Reduced environmental impact due to rigorous dust containment measures.

## PERFORMANCE

- Automated sample catchers to ensure accurate samples are captured for product verification.
- 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
- Bulk Plant Automated Verification System implemented to
- Continuous improvement measured through data logging and analysis against KPI's

## EQUIPMENT

- 62 m<sup>3</sup> Super B Pneumatic Bulker
- Centralized PLC automation control system with redundant operation methods located in a pressurized command center in some plants.
- Remote bulk plant automation with the use of a wireless tablet allows operators to view blending while maintaining control of the plant.
- Scaled additive add mix bottle that ensure accurate chemical addition to the blends.
- Multi-movement blend train that produces cement blends meeting API specifications
- 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

