

Milling and Bagging Project



Client: Entyr (ASX:ETR)
Region: Australia
Location: Gold Coast, Queensland
Project Type: Engineer & construct

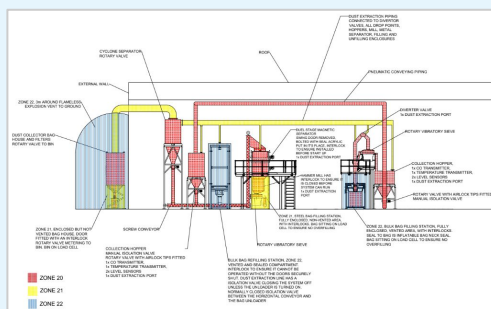
Problem: The plant required a new, state-of-the-art system to handle the output of the four pyrolysis reactors to meet a new client's specifications. The system needed to ensure product quality by removing steel and oversized material, be fully automated, and operate without cross-contamination.

Solution: Designed and procured a continuous milling and bagging system for recovered carbon black (rCB). The system used a combination of pneumatic and screw conveyors with an integrated steel separator and vibratory sieves to ensure a maximum product size of 1mm. The system was integrated with the existing DCS and featured built-in redundancy, with the ability to automatically isolate a process line if product specifications were not met.

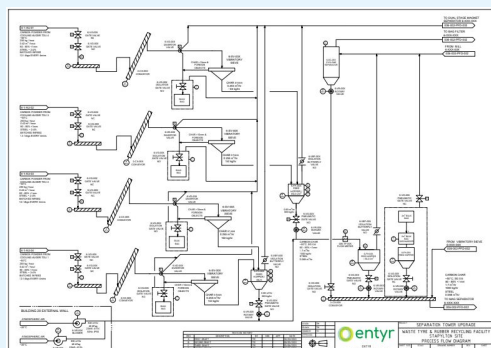
Result: The plant had a new, future-proofed system that ensured consistent product quality. The automated system with built-in redundancy improved operational efficiency and reliability, while its hazardous-area compliant design increased safety for the entire process.

Role

- Project Management
- Mechanical & Electrical Design
- System Automation & Integration
- Procurement & Commissioning
- Safety & Standards Compliance



Hazardous Area Design



Process Flow Diagram (PFD)