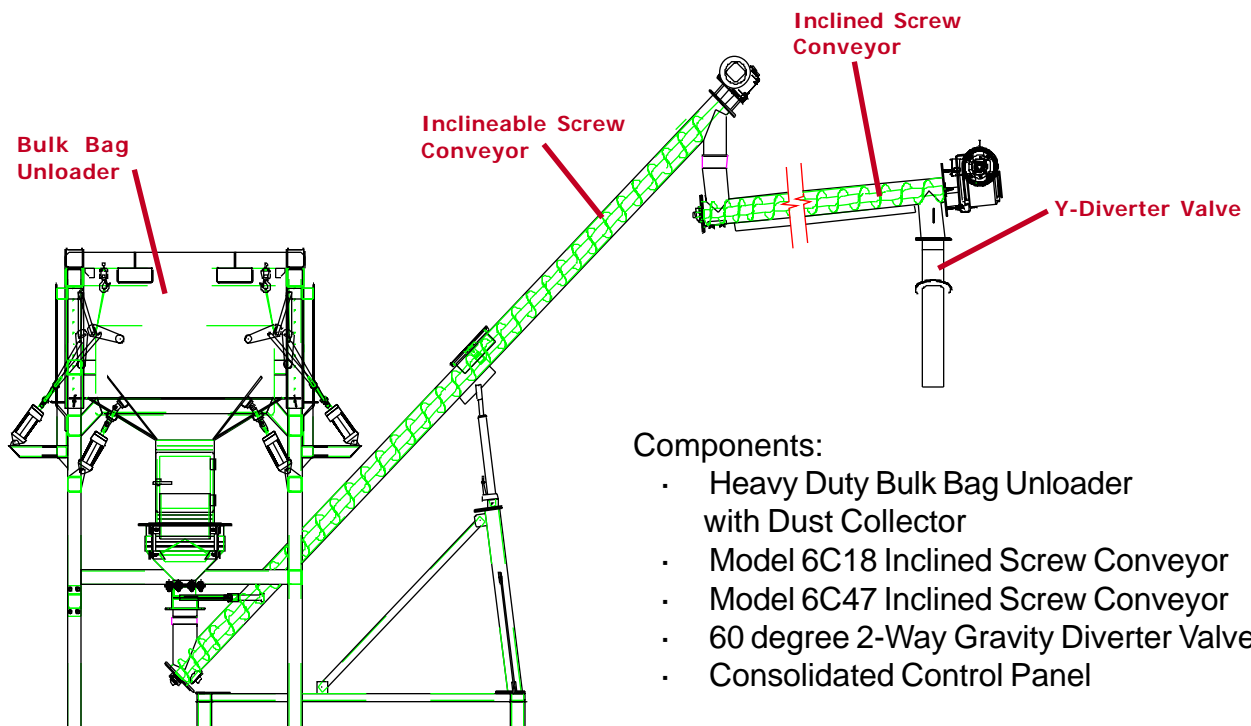


## CASE STUDY - CHEMICAL POWDER LOADING AND CONVEYING SYSTEM

A company looking to expand its facility contacted S. Howes to design an unloading and conveying system to transport cuprous oxide and boric acid chemical powders. Since the unloading area was far from the processing area, the system was designed with two inclinable conveyors to transport the material. The chemical powder was loaded into a bulk bag unloader before it was

discharged into an 18 foot inclined screw conveyor then went into a 47 foot conveyor which featured a two-way Y diverter valve where the powder was diverted into one of two bins depending on the batch of material. The system met the company's conveying, expansion and space needs and offered the flexibility to process different batches of materials.



### Components:

- Heavy Duty Bulk Bag Unloader with Dust Collector
- Model 6C18 Inclined Screw Conveyor
- Model 6C47 Inclined Screw Conveyor
- 60 degree 2-Way Gravity Diverter Valve
- Consolidated Control Panel

*Photos and drawings are not intended to show or suggest use or non-use of any operator protection systems*

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