

Raw Material Storage System

Project Description

PROJECT TYPE: Additional 600 tonnes of bulk storage in five galvanized smooth wall silos

PROJECT VALUE: £200,000 - £250,000

PROJECT MANAGER: Mr. Adrian Wellington

PROJECT DESCRIPTION: The new plant commences from the existing 400mm diameter screw conveyor on top of 3 grain silos. A feed from here to a new short conveyor transfers the material into a transverse conveyor situated on the top of the new silos. This conveyor has six outlets, five fitted with electro-pneumatic slides and one end outlet with hand-slide. The five silos all positioned in line have a holding capacity of 120 tonnes based on cereal @ 750kg/m³. Each silo has high level indication and access facility. Each expansion hopper fitted with a twin bin discharger to control the product to the chain & flight conveyor. The chain & flight conveyor fitted under the bin dischargers then feeds to a new belt & bucket elevator. A new 400mm diameter screw conveyor positioned above the boiler room transfers the material from the new elevator to existing intake elevator.

