

Process Control Bulk Batch Processing



FENTON SYSTEMS INC.

The HMI screen shown is for the stock house for a blast furnace charging system. The charging system is a bulk weighing and batching system based a complex recipe or charging program. The system weighs out materials using multiple weight hoppers and transports the batches to the furnace in an order specified in the charging program.

A typical control system configuration for the application is shown on the drawing below. The system has three primary levels. The top level system models the process and provides the bases for the charging program. The middle level system provides the operator interface and online status in the form of HMI screens. The low level systems provide the interface to field devices and control of equipment.

