



INDUSTRY

Coal

SPECIFIC AREA

Coal Mining

PRODUCT USED

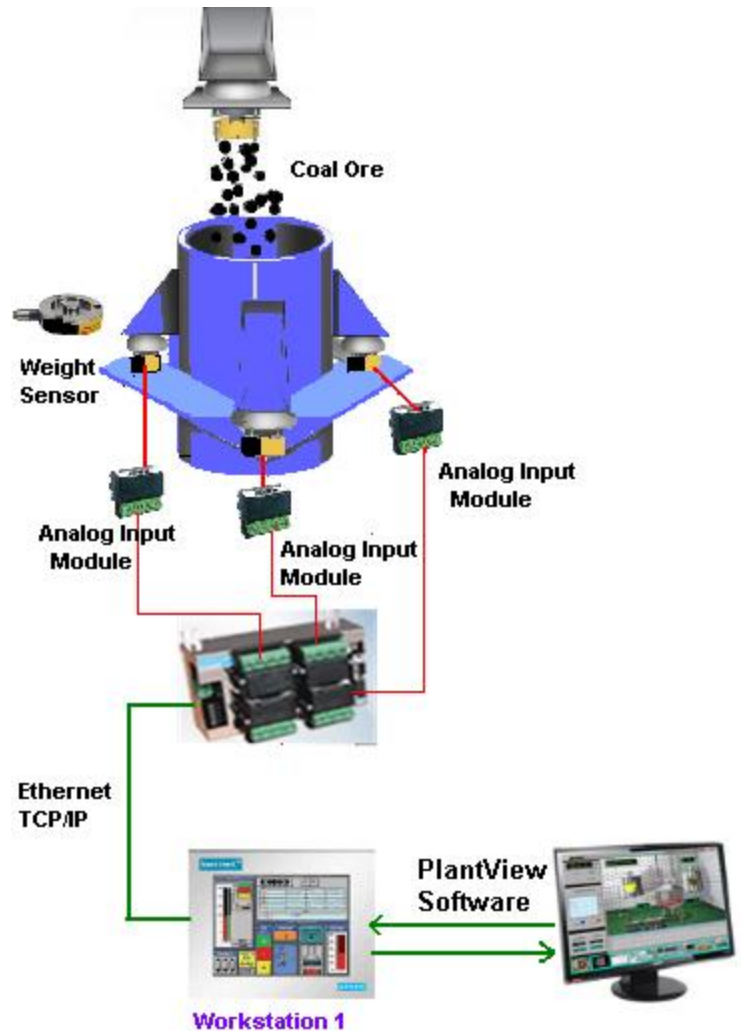
Uticor 10" ToughPanel with Siemens S7 Controllers



APPLICATION

At a coal mine, it is very important that all production and environmental monitoring information is collected synchronously. In order to ensure continuous monitoring of the environment under the coal mine, it is necessary to set up a reliable network that runs through the entire mining site. The control system gathers, transfers, processes, displays and records the process data of the coal mine's major and supporting production operations.

One such operation involves weighing the coal before moving it up through the elevator. The Coal ore is first deposited inside a weigh cell. The data from the weigh scale module is then sent to a programmable controller. The control room uses a Uticor Tough panel to report the activity being transmitted from the trip stations and the weigh areas. Working with the data, the Tough panel software provides for easy setup of such functions as container weight, gross weight, net weight, calibration, automatic zero offset, filter parameters etc. The control room on the surface exchanges information with the control room at the weigh stations over Ethernet. This way, the technician at the bottom of the shaft and the technician at the surface level can stay updated with the latest information.



WHY UTICOR?

- **Rugged Panels-** can withstand harsh mining environment-high temperatures, dust ,coal particles etc.
- **Remote Monitoring and control**