

Application Note Data logger monitors throughput for optimum production.

Customer Requirements

Our client, a major international building supplies provider was monitoring downtime in one of their quarries. A major problem became evident when there were significant discrepancies between the manually reported stoppages and the throughput.

Clearly, to identify the cause of the discrepancies a more full proof method of monitoring was required.

Equipment

dataTaker DT80 data logger

Sensors

Belt Scales with 4-20mA and pulse outputs



Datataker Solution

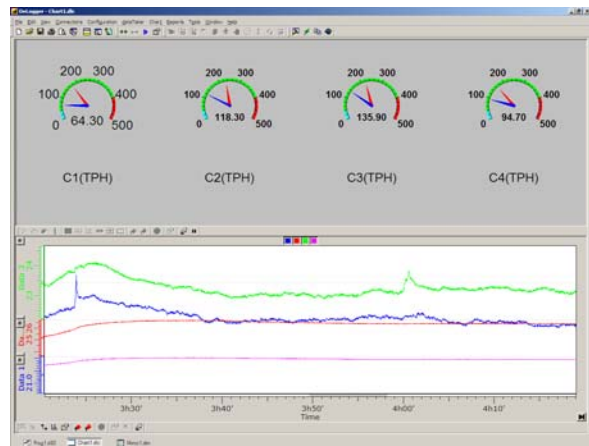
The solution was to install a dataTaker DT80 data logger to monitor the belt scales installed on the conveyors. The belt scales provided 4-20mA outputs for instantaneous rate monitoring (in tonnes per hour) and pulse outputs gave total tonnes per shift.

The client was able to compare the actual stoppages to the manually reported stoppages and the discrepancies were now identified and explained. The next step was to eliminate the bottlenecks and throughput was very quickly improved.

The dataTaker DeLogger™ software installed on a local PC displayed needle meters giving the operator the current throughput and allowing remedial action immediately a problem was developing rather than wait until the crusher was blocked completely.

Other applications

Process monitoring
Batch weighing systems



dataTaker DeLogger 'meter' screen viewed from the PC

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