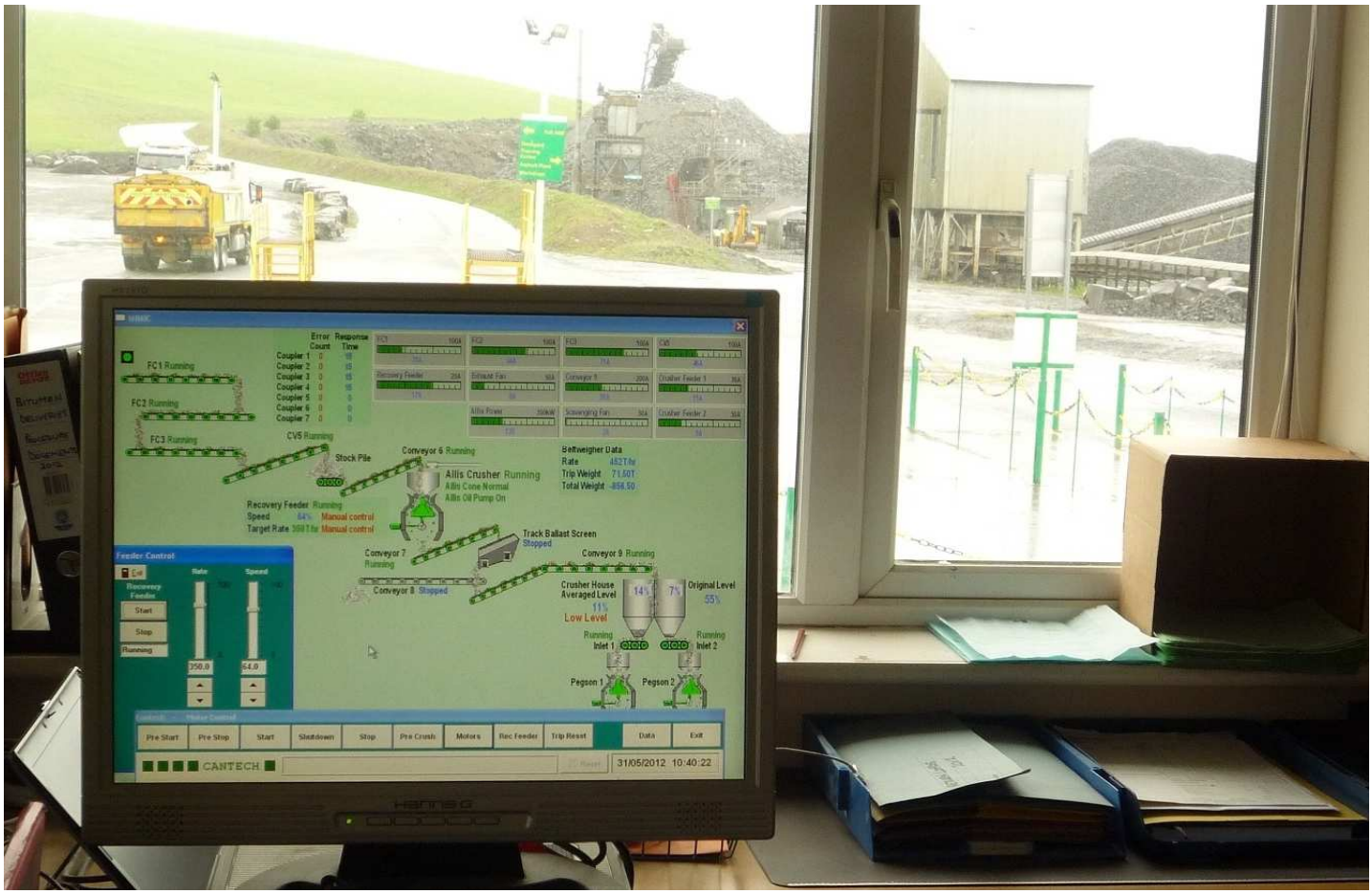
CANTECH CS-2000

Optimised control of crushing and screening ...



Includes

- Remote control away from plant eg in weighbridge office or central control room
- Optimisation of plant throughput without undue risk of overloading
- Closed-loop feeder control providing consistent feed across screens
- Monitoring facilities to minimise blockages, surges etc
- Automatic plant shutdown to save energy when plant not in operation
- Records of production rates, running times for motors, key performance data etc
- Wireless display available to show bin levels, feed rates etc in dumper cab

... from a remote office using latest PC control

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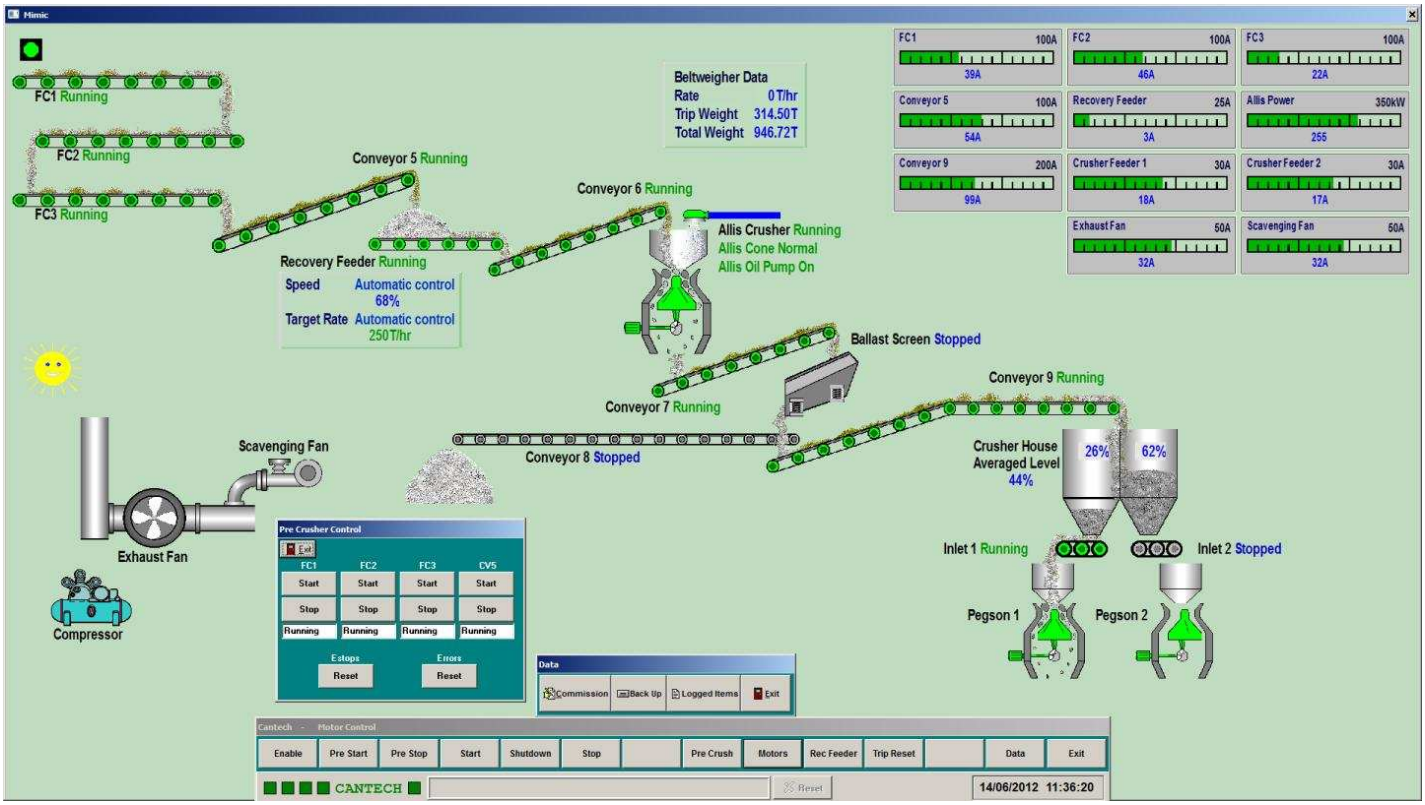

The continuing need to ***improve operating efficiency and product quality whilst increasing plant output*** and improving ***employee health and safety*** are all met by using Cantech's latest-generation CS-2000 crushing and screening control system. This ***operates any or all of the primary, secondary and tertiary crushing processes remotely from a central control room or weighbridge office.***

This remote operation ***removes the need for a manned control room close to the plant, allowing one operator to monitor and control two plants from one central control room,*** or to combine plant control with other functions such as weighbridge operation. This both reduces costs and allows the operator to work in clean conditions away from dust, noise and vibration often associated with the plant itself.

The system allows fully integrated control of all aspects of the primary, secondary and tertiary processes, or can provide independent control of each section if required, eg where the material for secondary crushing is fed from a primary stockpile.

The system can also include facility to control primary rock-breakers remotely, removing operators from the dust, noise and vibration often found in the close vicinity of the primary intake.

The system provides fully automatic starting and stopping of all plant items in the required sequence, and once the feed has started monitors the measured rate across the beltweigher at all times, constantly adjusting the feeder to achieve as close as possible to the optimum feed rate. Other measurements such as levels in surge bins or storage hoppers are also monitored, and the feed rate adjusted to avoid bins overfilling or running out.

The system also records production details such as total tonnages produced and logs periods for which the rate falls outside certain limits, to give a historical record of the performance of the plant and to allow periods of low production to be examined. These data are held on disk in standard file formats which can be read into spreadsheets or transferred onto other PCs or ***onto wider IT systems via standard PC networks or by broadband internet.***

Wireless colour graphics displays can also be fitted in dumper cabs to provide continuous indication of screenhouse bin levels, and to activate loadout from bins from within the cab. This allows dumpers to be used for other tasks around the quarry, only needing to return to the bins when the levels show that one needs emptying.

The CS-2000 is part of Cantech's range of control systems for Construction Materials processes, which includes batching of concrete, mortar and asphalt; all developed, supported and serviced ***- including full online modem diagnostic facilities -*** by personnel with experience of 250 installations throughout the UK and Ireland.

Further savings can often be achieved by using the CS-2000 alongside these related systems to combine operation of two or more different plants from one central control room.

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