



Terex® MPS CCM Control System

Reliability, Safety
and Ease of Use



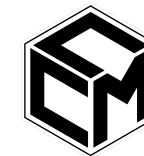
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Terex® MPS CCM Control System Controls Solutions

The NEW “CCM” Control System
Unmatched Innovation From Terex® MPS

CCM means: Common
Control
Module



What does CCM do for your plant system?

- Improved Safety
- Reduced downtime
- **Easy one** touch control for single plant or multi plant operation
- **Quick diagnostics & safe 24 volt** control circuits and small interplant cable
- **Automation & optimization** built in to maximize production.



Terex® MPS CCM Control System Controls Solutions

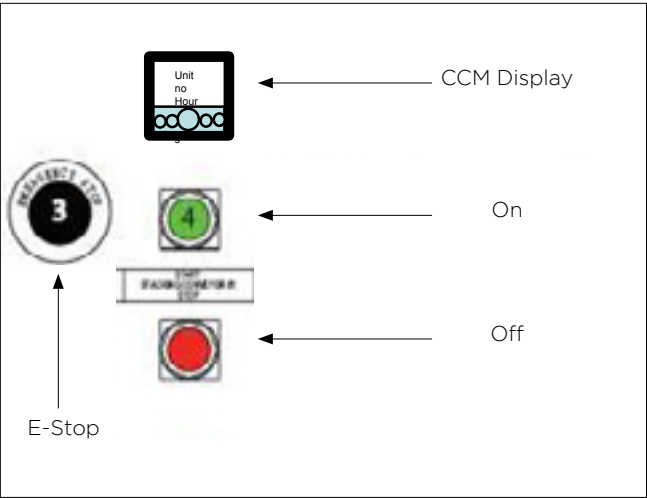
Unmatched Reliability

- Rugged CCM module sealed against dust, moisture and vibration resistant, eliminates failure prone timers, switches and relays.
- New “Electronic” coils Out-perform older NEMA style contacts

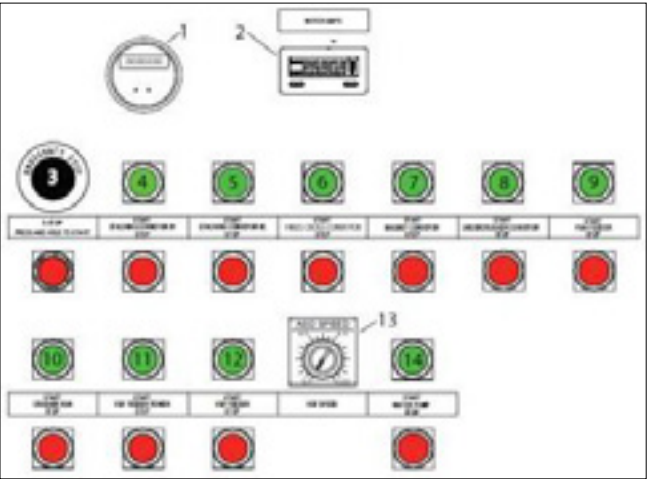


DC Coils

“CCM” to Current Conventional Control Panels



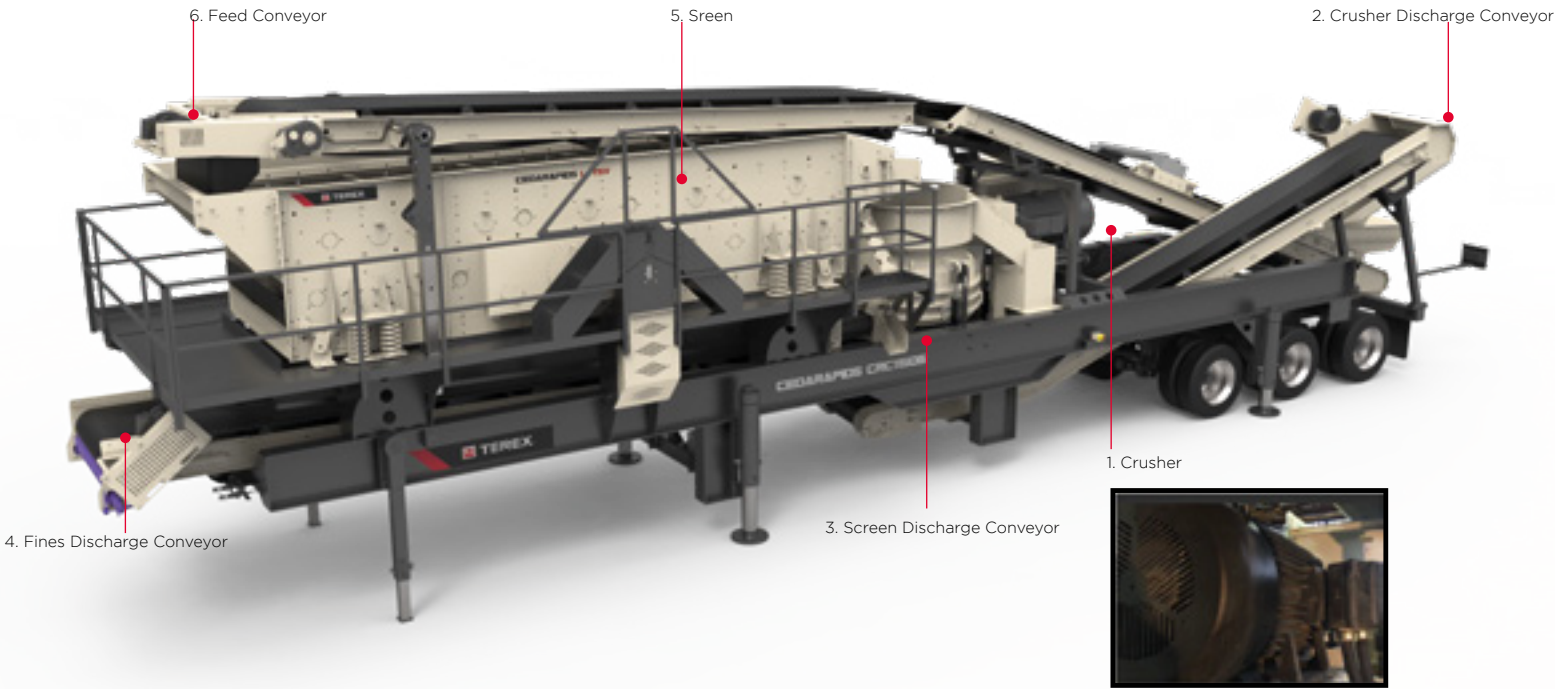
- Simple on/off remove simple ‘CCM’ panel



- Complex Conventional Panel
- Simple on/off buttons simplifies training
- Ensures proper start & stop sequence

Minimize Power Demand!

- First **Large High Horsepower** Crusher Motor(s) start
- Then **Rapid** start low horsepower motors in proper **sequence** (allows restart after stall or belt cuts)

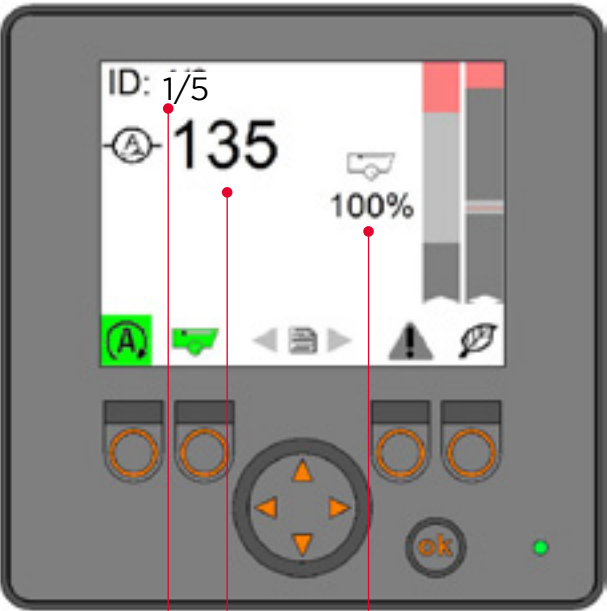


Terex® MPS CCM Control System

Controls Solutions

Simple Display

- Same components in each panel
- Totally interchangeable
- Simply plug & play



Motor Amperage
(Displays one or two motors)

Variable Speed Feeder
(only displays if VFD present)

Plant Identification
(Plant #1 of 5 in 5 plant system)



Safe & Easy to Use

Along with reliability and ease of use CCM gives you the ability of multiplant automation without the expense and complexity of a central control.

- One button control for multiple plants operation
- Example of a 5 plant crushing system
- *Simply plug each plant together with small 24 volt interlock/control cable.

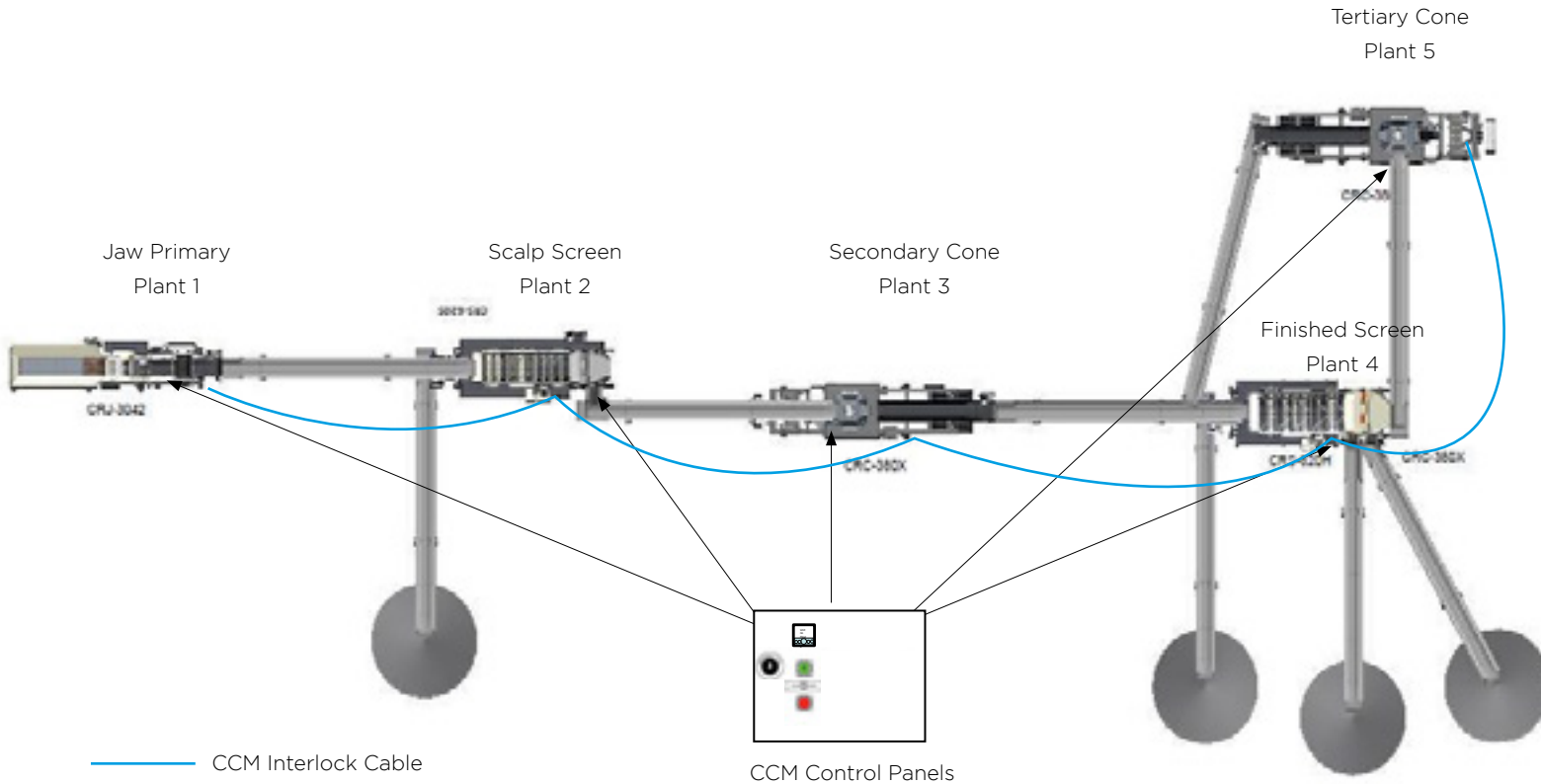


Diagram Showing CCM Control Panels and Interlock Cable



Terex® MPS CCM Control System

Controls Solutions

Safety Improvement

- Low voltage control
- Auto stop from any CCM panel
- One touch auto off stops all non-crusher motors
- CCM monitor health of all circuits to prevent accidental start.
- Conveyor stop but crusher motors continue to run to allow clearing of material from crushers.

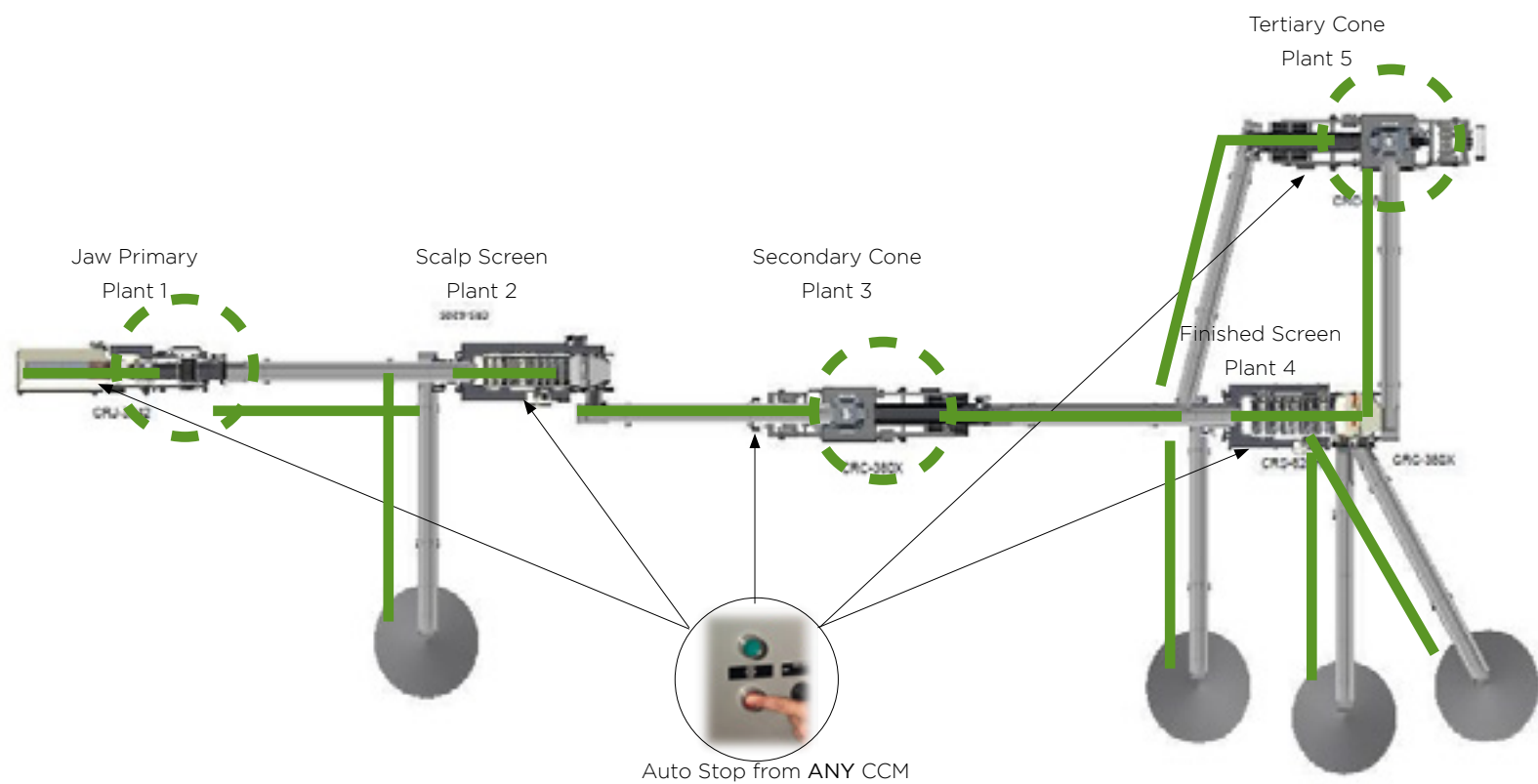
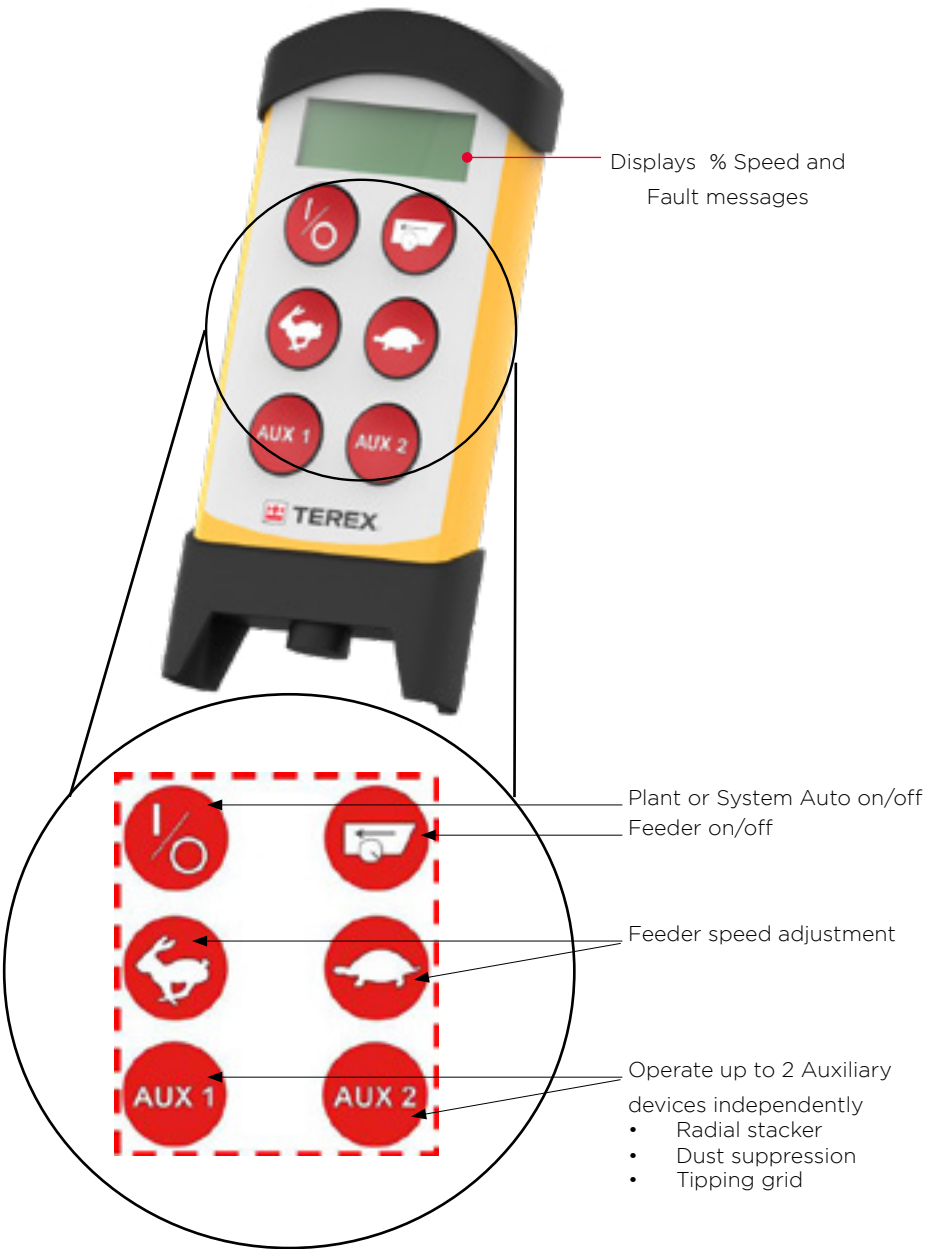


Diagram Showing Auto Stop Protection

Simple Remote Control

- New remote option can control any single plant or run entire system of plants



Terex® MPS CCM Control System Controls Solutions

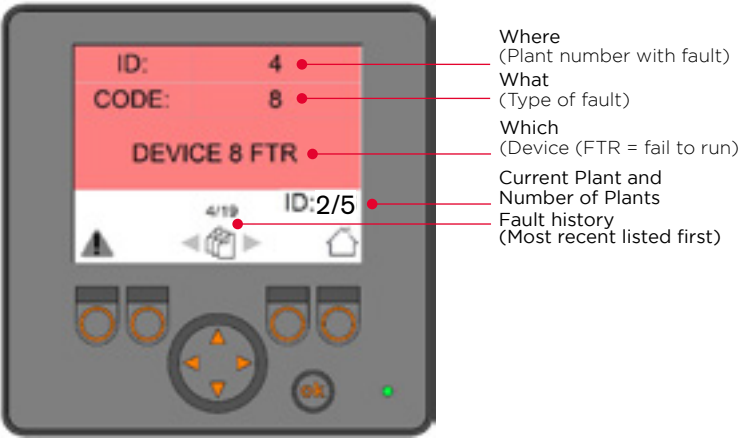
No Custom Programming

- Works with Any Combination, Sequence, or Number of plants
- Same CCM for any sequence plant



Save Hours Troubleshooting

- Built in smart diagnosis saves hours trouble shooting electrical faults



Save Time - Every CCM shows the same fault message to quickly locate and resolve the problem

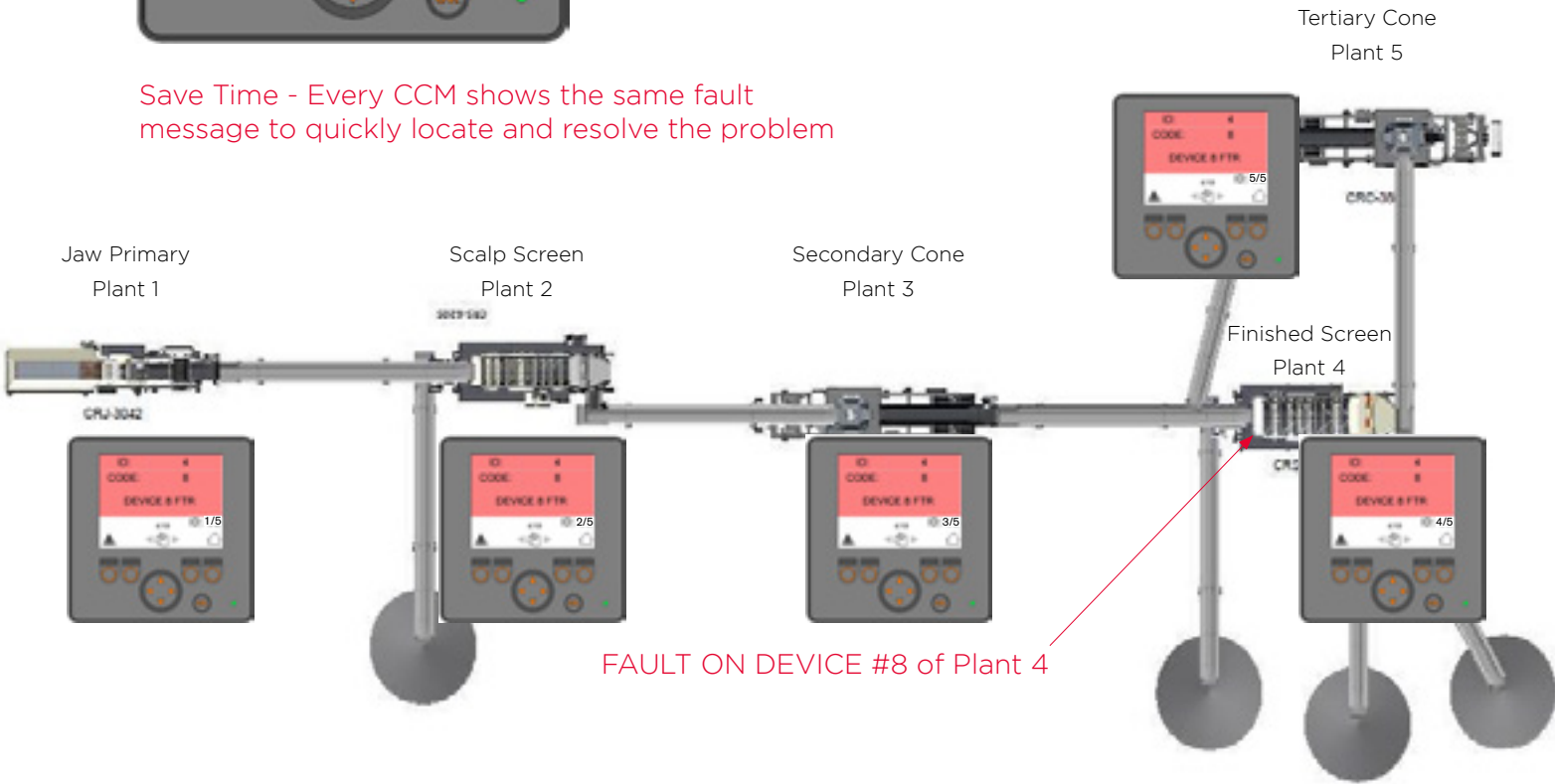


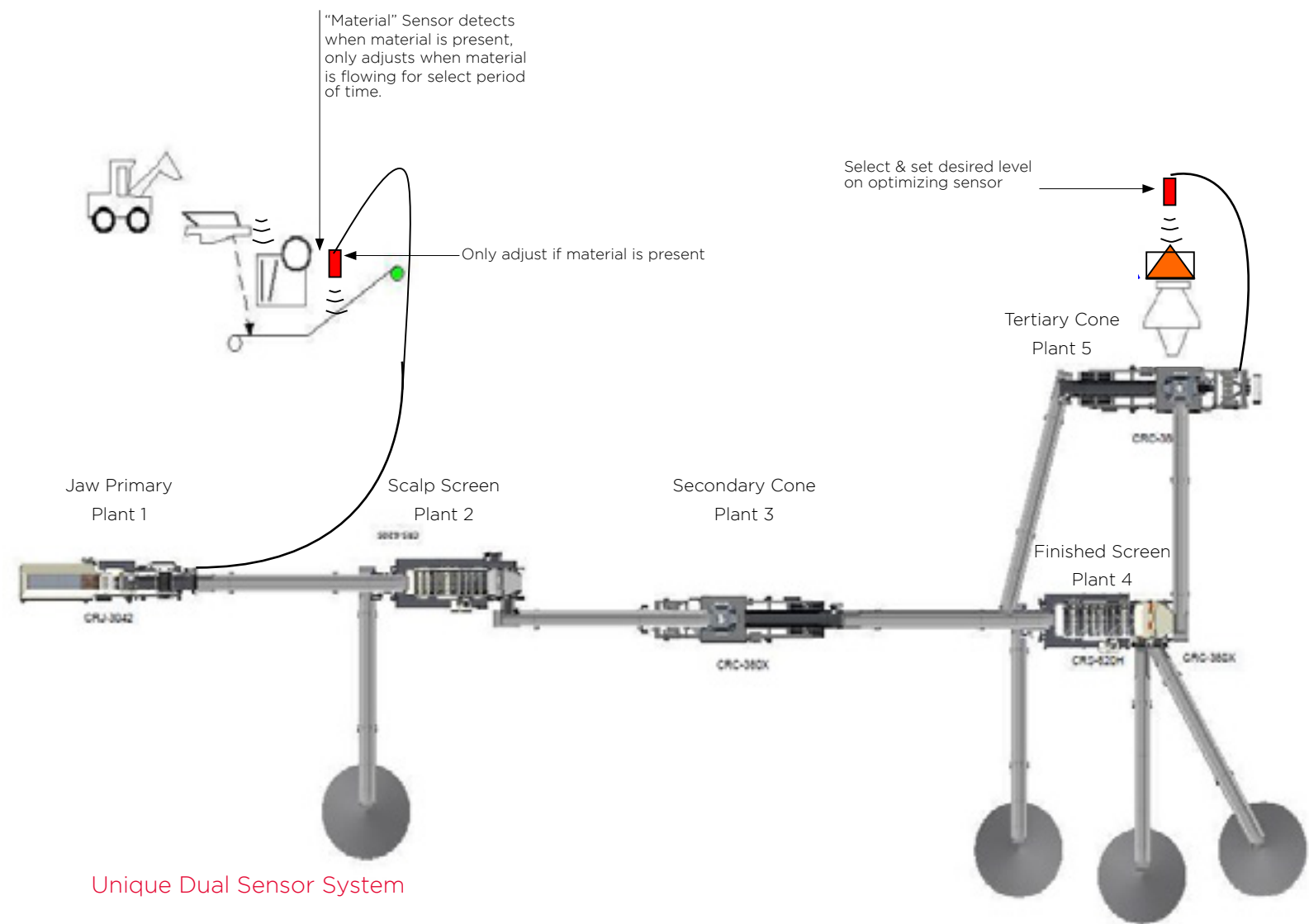
Diagram Showing Fault on Device #8 of Plant 4, fault history also recorded.



Terex® MPS CCM Control System Controls Solutions


Optimization & Monitoring

- Built in optimization capability by just adding sensors



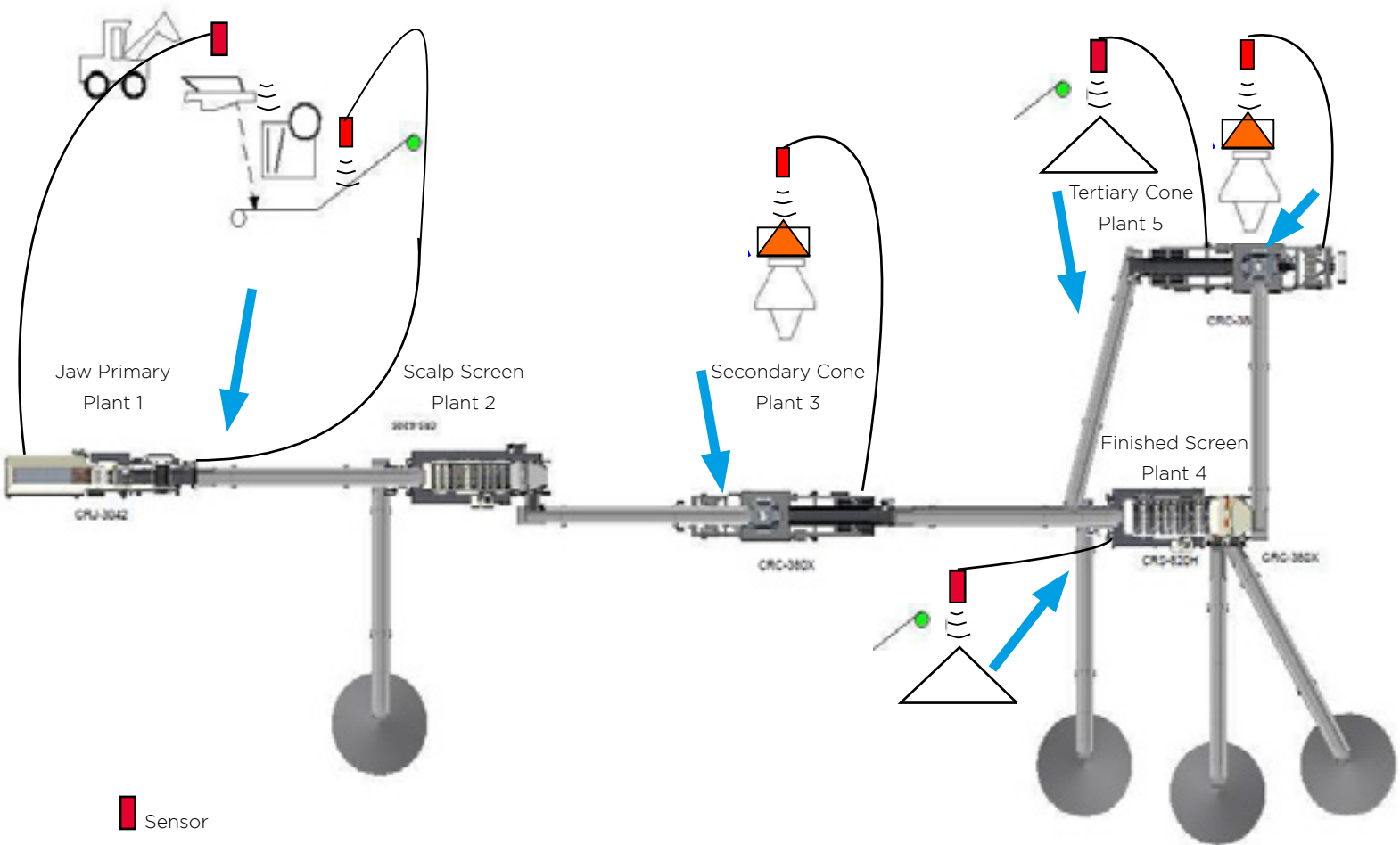
Unique Dual Sensor System

- Adjust desired feed rate to optimize any crusher in circuit

 Sensor Diagram Showing Material Sensor, Variable Speed Feeder

Sensor Controlled devices

- Example: Run dust suppression only when material is on belt



Terex® MPS Services

Proven Success, Global Reach

A comprehensive range of services. Original spare and wear parts. Customizable solutions to meet your exact needs. Outstanding technical expertise and support.

This is what Terex® MPS delivers to businesses – and what it delivers to businesses throughout the world via our global distribution network, service and distribution facilities and regional warehouses.

Spare and Wear Part Support

Our OEM parts help maintain and enhance the performance of your equipment – and you can count on us to get you the spare and wear parts you need, when you need them.

Terex® MPS parts are manufactured according to exacting specifications, using high-quality materials, tools and techniques. By using genuine parts you are helping to ensure the maximum performance and longevity of your machines.

A Shared Focus

We understand your key focus is delivering your operational and financial goals. We share that focus: it's how we both measure success.

By combining our global service network and proven, in-depth industry knowledge with your operational expertise we're able to provide you with the right solution to deliver a quality end product – with increased productivity.

Field Services

We offer a comprehensive set of field services to meet your maintenance, repair and refurbishment needs – which means you get a cost-effective alternative to purchasing new or replacement equipment.

Our experienced field service and distribution network are available to you on site or at our global service facilities. We can repair broken or damaged equipment to like-new condition and restore worn or irreplaceable equipment to perfect operating condition – which minimizes costly downtime for you.

Combining our global service network and deep industry knowledge with your operational expertise ensures that we provide the best solutions...



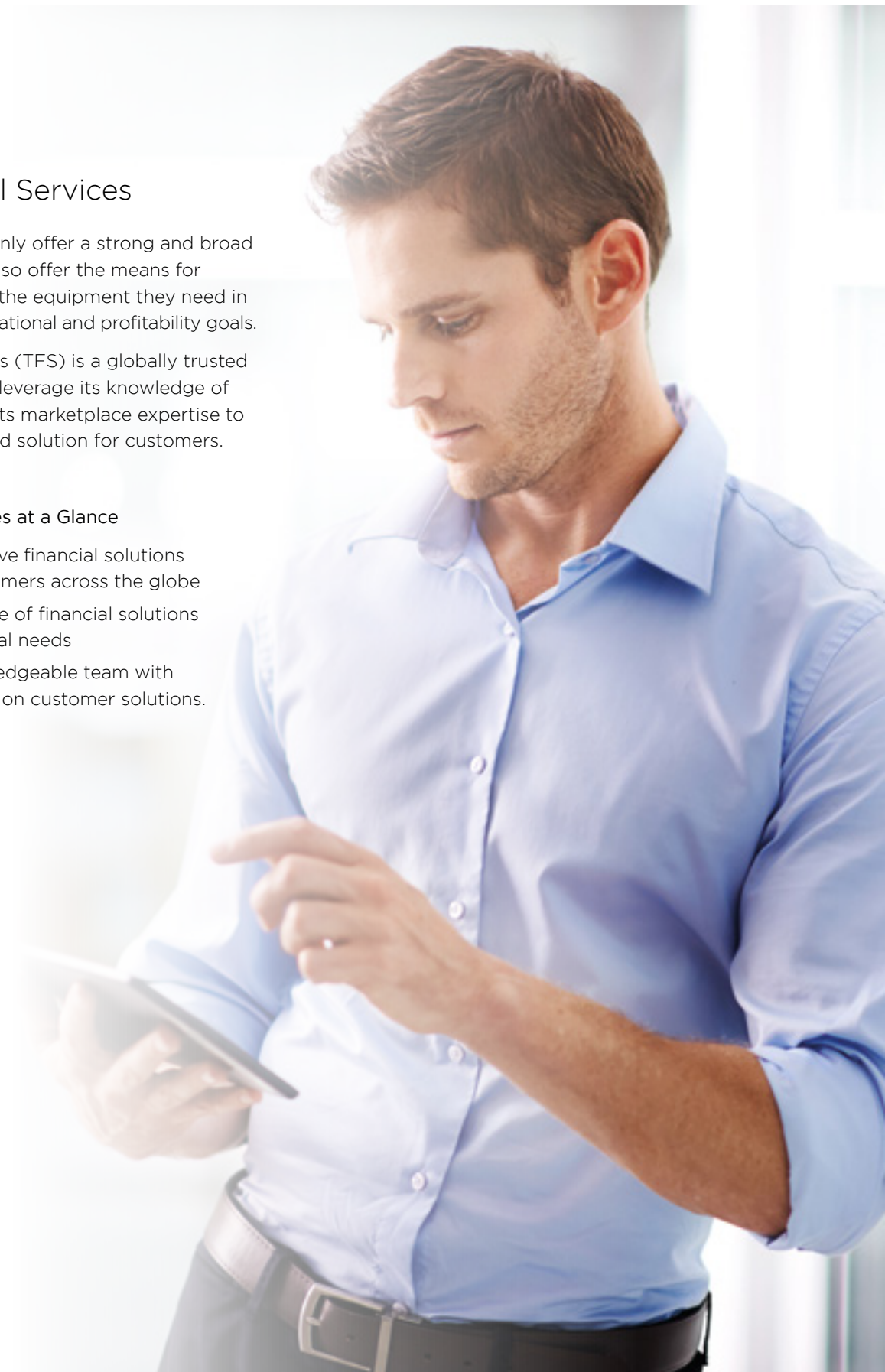
Terex® Financial Services

At Terex® MPS we not only offer a strong and broad product portfolio. We also offer the means for customers to purchase the equipment they need in order to meet their operational and profitability goals.

Terex® Financial Services (TFS) is a globally trusted resource that is able to leverage its knowledge of Terex® equipment plus its marketplace expertise to provide a unique tailored solution for customers.

Terex® Financial Services at a Glance

- Providing cost-effective financial solutions to thousands of customers across the globe
- A comprehensive suite of financial solutions tailored to fit individual needs
- Dedicated and knowledgeable team with global reach, focused on customer solutions.



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Failure to follow the appropriate Operator's Manual when using our equipment or failure to act responsibly may result in serious injury or death.

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