



CP SCADA Capabilities



Supervisory Control and Data Acquisition

Purchasing new MRF equipment is a large investment. Having the data to run the operation intelligently is key to reducing costs and improving the bottom line.

CP's electrical controls department, Advanced MRF, is the industry pioneer for creating access to MRF operation data. As markets evolve and materials change, it is more important than ever for MRF operators to have data and make smart decisions in real-time.

CP SCADA is customizable, powerful, and can be integrated into an existing facility to optimize operations.

With CP SCADA, you can track inbound and outbound material volumes, downtime events, bale counts by commodity, and other key data points. CP SCADA can also alert staff to over-amp draws, potential motor faults, e-stoppage locations, and loader operator feed inconsistencies.



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CP SCADA Advantages:

- Real-time production clocks
- Automatically log motor fault causes
- Identify and record downtime events and causes
- Create and record availability reports (downtime versus runtime)
- Track and prevent black-belt lost production
- View material characterizations from your optical sorter
- Record inbound and outbound volume
- Integrate baler and compactor production
- View trending and historical reports
- Create custom preventative maintenance packages
- Monitor motor amp usage and motor performance
- Access data remotely through a mobile device or computer

CP SCADA Base Package

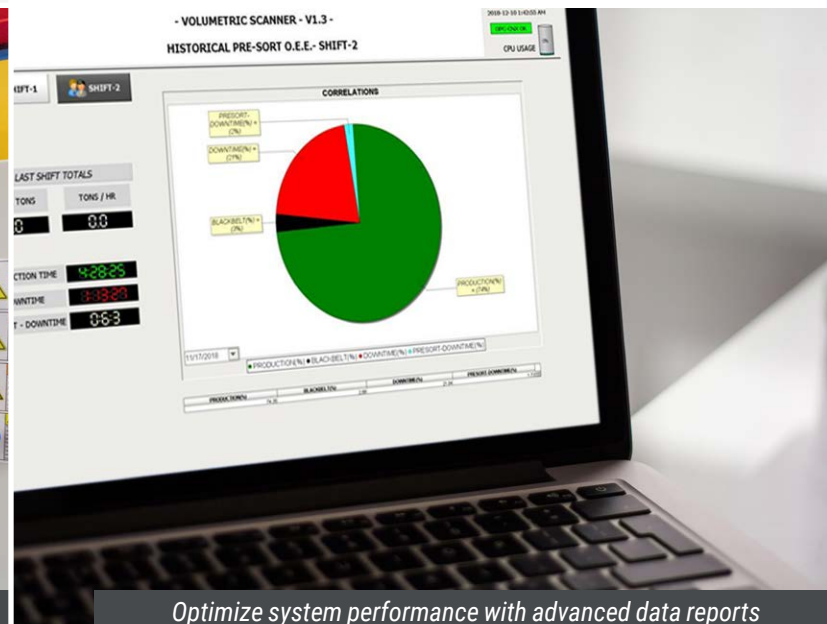
Data collected by CP SCADA provides an entire picture of a recycling system, enabling proactive management of the plant.

The following are the core components of the CP SCADA base package:

- › **Runtime and availability reports**
- › **Dashboards via desktop web access**
- › **Monitor motor amp values**
- › **Trending/historical reports**
- › **Downtime event logs and reports**
 - › *With user input, customized downtime events can be recorded*



View material characterizations from your optical sorter



Optimize system performance with advanced data reports



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SCADA Add-On Items

Volumetric scanner

- › The volumetric scanner can be used as a standalone product or it can integrate with your CP SCADA system. Typical scanner locations include the infeed, residue, and glass lines to gain valuable information about your system. On the infeed, it performs the dual function of recording material volumes and identifying black-belt. When this happens, an alert can be sent to operators by using the tablet.



Volumetric scanner

Preventative maintenance package

- › Track run time on your discs and other wear parts to keep your system running at peak performance. Customizable alerts give ample time for proactive maintenance.



CP Anti-Wrap Screen™

MSS integration

- › Utilizing patented MRF optimization technology, operators can use MSS data to make real time adjustments to upstream and downstream equipment.
- › Set up visual HMI alarms if certain contaminants exceed acceptable thresholds.
- › Track material stream composition in real time.



MSS CIRRUS PlasticMax™ optical sorter

Baler and compactor integration

- › Integrate baler and compactor production to track volume outputs of materials. Advanced MRF works with your baler provider to implement services.



Track baler volume output

Mobile access

- › View and track operation data from a mobile device.
- › Additional tablet and HMI Remote touch screens.



Mobile HMI



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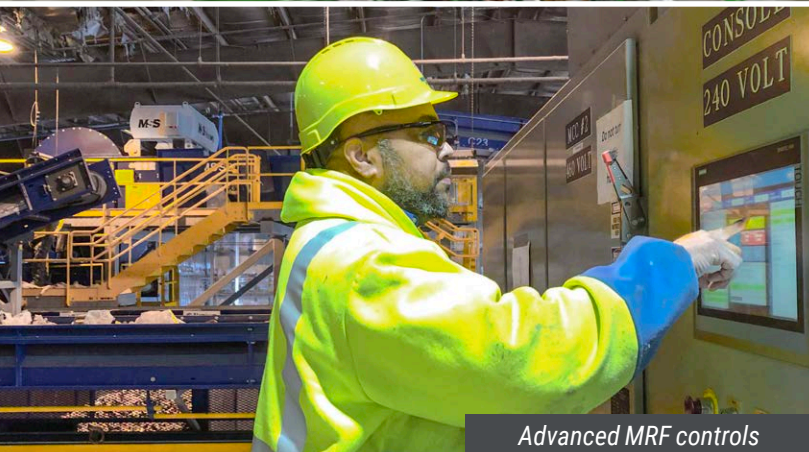


About CP Group

CP Group has over 40 years of experience manufacturing durable, dependable, and innovative recycling equipment. As owners and operators of a MRF in San Diego, we hold key insights that enable us to help our customers run a successful operation.



Mixed waste material recovery facility



Advanced MRF controls



CP Auger Screen

Put CP Group and Advanced MRF to Work for You

CP Group and Advanced MRF work together at our headquarters in San Diego, California to deliver SCADA packages for turn-key sort systems.

We are certified in designing and building control systems and Supervisory Control and Data Acquisition (SCADA) systems using both SIEMENS and Alan Bradley automation products and software. We are C-10 Certified Electrical Contractors, which allows us to offer turn-key solutions with the ability to perform the electrical installation.



Get accurate data acquisition and system-wide control of your operation with CP Group and Advanced MRF. Contact us for more information.



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