



Case Study

Reduced Air House Filter Changes Saves Automaker Money

Situation

- An automaker was experiencing filter failure in the recycle air house and deposition in the RTO

Background

- One of Galaxy's customers was experiencing higher failure and plugging of the primary, secondary and tertiary filters in the clear coat recycle air house
- Inspections done by plant personnel showed a little water on the air house floor but clean air coming into the air house

Solution

- Galaxy verified the day and time of the inspections
- Galaxy monitored the weekend cleaning and start-up protocol
- Galaxy determined that the start-up and chemical treatment protocols were causing the plant to start-up under an upset condition.
- This caused initial foaming and high velocity air to coat the filters
- Once the plant had run for a few hours, the foaming went away and everything looked normal

Results

- Once the new protocol was installed, filter life was extended and filter failure stopped
- An estimated \$138,000 in filter costs were realized on an annual basis