ELITE™ SCRUBBER – CASE STUDY

GENERAL MOTORS DE MÉXICO, S DE RL DE CV

GM Silao has (2) Top Coat Spray Booth lines. The existing booth exhaust system in clear coat 2 was updated, replacing 12 exhaust fans that were significantly damaged due to poor scrubber efficiency.

GIFFIN introduced GM to our new high efficiency wet scrubber technology, ELITE™ which provided a highly functional solution to their ongoing spray booth system exhaust problems.
GM and GIFFIN worked together to replace 1 zone of the existing wet scrubber system on clear coat line 2 which was most affected by paint contamination.

This project proposed significant challenges to replace the scrubber due to the plant production schedule. It was required to completely isolate this spray booth zone from air flow, and water flow, installing blank off plates and a complete exhaust ductwork cleaning. This work was completed while GM Silao ran the system at a full rate of production.
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GIFFIN, in a period of 5 days, isolated, and dismantled the existing wet scrubber. All parts of the system were deep cleaned prior to installing the new GIFFIN ELITE™ scrubber, followed by a complete commissioning, and balancing of booth water and air flow.

Customer benefits:

• No paint solids being exhausted to the exterior of the building.
• No paint sludge buildup within the exhaust system.
• Extended life of the exhaust fans.
• Significant improvement in maintenance requirements.
• SIGNIFICANT reduction in the maintenance, energy, and utility requirements to operate a spray booth system.