



PROBLEM SOLVED™ PAPER

SOLUTION: Martin® Air Cannon and Martin® SMART™ Series Jet Nozzle

INDUSTRY: Steel

LOCATION: Large Steel Facility in France

PROBLEM

At the ship unloading conveyors at a large steel facility in France, matter was accumulating along the belt and at the transfer points, which was reducing material flow. The facility had to increase the number of stops to manually clean-up the material, generating fairly substantial additional costs.

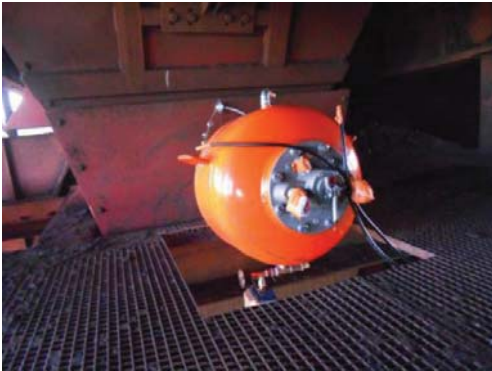


A large steel facility in France had material accumulating along the ship unloading conveyor.

SOLUTION

The steel facility contacted Martin Engineering. Martin recommended the installation of Martin® Hurricane Air Cannons on the back of the chute with a Martin® SMART™ Series Jet Nozzle programmed to fire every half hour.

Martin® Air Cannons improve material flow in silos, bins, bunkers and storage vessels, by knocking down rat holes, blockages and buildups, to boost plant efficiency. The Martin® SMART™ Series Jet Nozzle eliminated the time and cost of cutting holes and breaking refractory to replace worn out nozzles.



Martin recommended the installation of Martin® Hurricane Air Cannons to move the material through the chute.

RESULTS

After the first month, the steel facility reported a 80 percent reduction in the number of stops for cleaning. Additionally, the facility management has started the process to establish this solution in all of the transfer points experiencing similar problems.



The solution was so successful, they are planning to add this solution to all of their transfer points in the facility.