ENECON® NEWS
MT-111

DurAlloy & ENESEAL CR Salvage Fume Extraction System at Canadian Steel Mill Saving $100k & Reducing Emissions

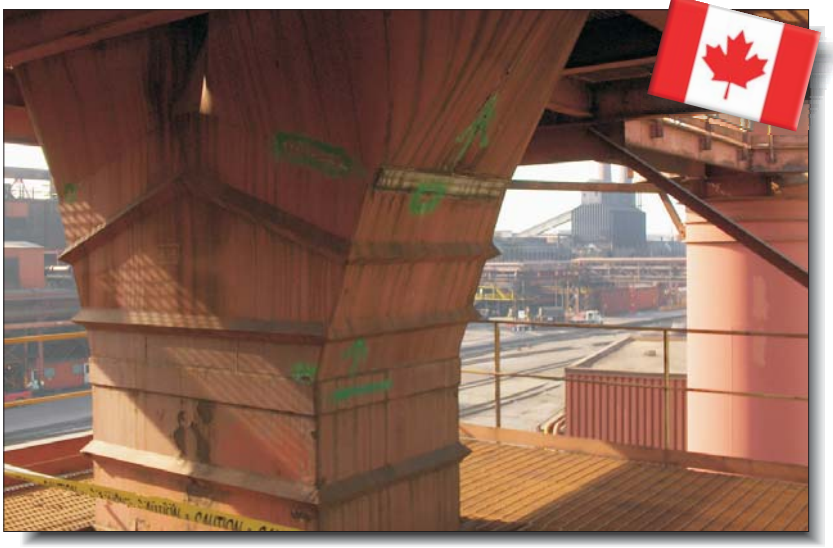
The maintenance personnel at this Canadian steel mill were struggling to patch holes in this fume extraction system. Holes cause loss of suction which, in turn, results in atmospheric emissions.

After years of carrying warm, wet, dusty and chemical laden fumes, the ducting was worn so thin that welded patches could no longer be applied without burn-through, warping and ripping. Silicone and caulking had been used with limited success.

ENECON Ontario was contacted to help find a fast and long lasting solution. Test patches of ***SpeedAlloy*** were applied to some of the duct's larger holes. The mill's engineers were so pleased with the results of the test patches it was decided that the entire duct section be encapsulated with ***DurAlloy***. As a final measure the unit was coated with ***ENESEAL CR*** for optimum corrosion resistance and a uniform look.

By choosing this method of repair, the mill was able to apply the DurAlloy during the day and operate the system at night. Conventional replacement required large amounts of custom cut steel hoisted into place as well as extensive manpower and equipment to remove the surrounding and overhead structures rendering the system inoperable for many days.

Instead, this fume extraction system was savaged in two days for approximately $15,000 saving the customer over $100,000 and allowing the system to stay in service capturing atmospheric emissions without a major shutdown.



The fume extraction system.

SpeedAlloy being applied.

DurAlloy applied over entire extractor shell.

After totally encapsulating the unit in DurAlloy, ENESEAL CR was used to provide optimum corrosion resistance and a uniform look.

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