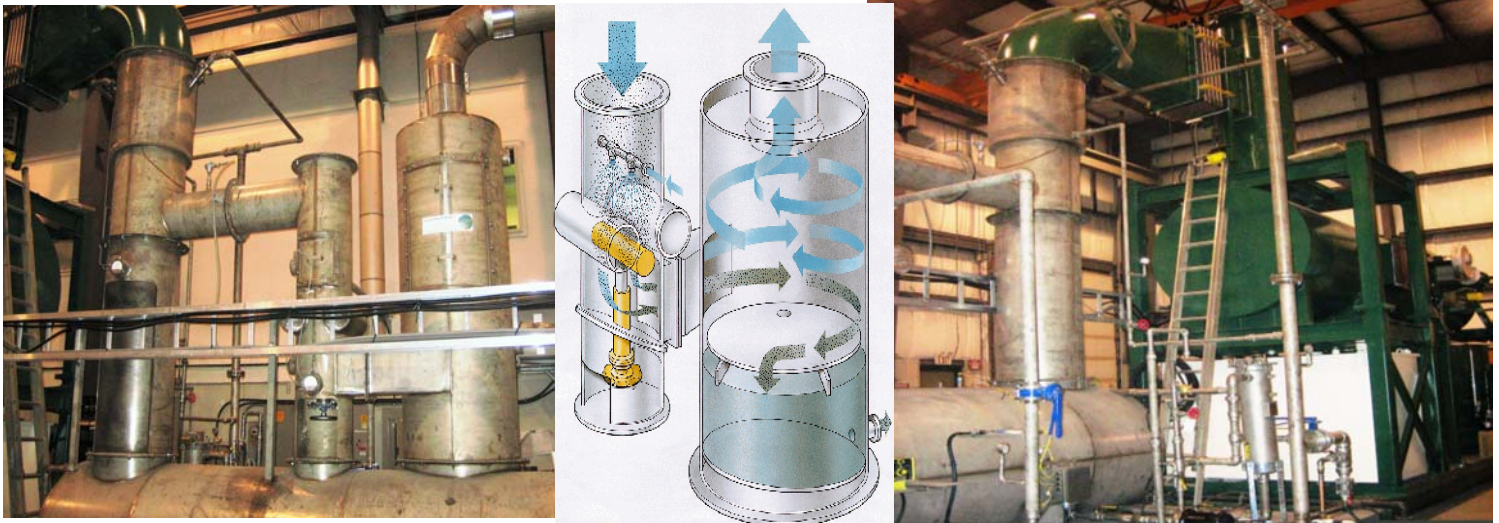




**ALTECH TECHNOLOGY SYSTEM INC.**

**SOLID WASTE INCINERATOR AIR EMISSION CONTROL SYSTEM**



**PROBLEM**

*ALTECH Technology Systems Inc. (ATS) was contacted by a Canadian waste incinerator manufacturer to design and supply a complete air emission pollution control system to meet strict regulatory limits for a diamond mine operation in a remote location of Northern Ontario. Due to regulatory requirements controlling solid waste and sewage sludge generated at the site, all waste had to be disposed in accordance with Ontario Ministry of the Environment guidelines. The only transportation to the site was by aircraft or by ice bridge with a limited season, therefore incineration within Ministry guidelines was a viable less costly alternative*

**SOLUTION**

*Based on successful installations of EFW air emission scrubber systems in Europe, System REITHER™ Venturi Air Scrubber was selected as the preferred technology for this application. This patented design is very well suited for controlling airborne contaminants in situations with limited available space and where high air contaminated removal efficiencies are needed. Another advantage is the unique spray nozzle design, which allows continuous recirculation of scrubbing fluid until near saturation without nozzle clogging. This feature is valuable in situations with limited available clean water, which is the case here.*

*ATS was asked to provide a complete air emission conditioning system which included the System REITHER™ air scrubber, incinerator flue gas quench system with heat exchanger, chemical feed to control quench water and scrubbing fluid pH and connecting duct work*

**RESULTS**

*ATS shipped the completed system as a preassembled skid mounted unit to the incinerator manufacturer for testing before shipping to the installation site. The air emission conditioning system met all performance requirements and has been shipped to mining operation for installation in early 2006.*

*See Successful Project Examples, overleaf.*

*For more information or advice, contact  
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