



AERISON CASE STUDY

ODOUR CONTROL REGENERATIVE THERMAL OXIDISERS

Aerison utilises world class technology from CTP in Austria to enable reductions in odorous compounds from a vast range of Volatile Organic Compounds as well as other odours or compounds that are either harmful to people or to the environment. A Regenerative Thermal Oxidiser (RTO) utilises highly efficient ceramic blocks to capture and regenerate the heat of combustion, thus saving vast amounts of energy in the process, whilst providing in excess of 99% destruction efficiency of most VOC's and other odorous compounds. The listing of case studies below is a representative sample of the works completed since the company inception in 1988.



Project Refinery Expansion Projects
Location Pinjarra, Kwinana and Wagerup
Western Australia
Client Alcoa World Alumina

Key Feature: A total of 5 RTO systems were provided to reduce the overall emission levels for the Alcoa refineries. These units used specifically created caustic resistant ceramics to increase the lifespan of the ceramic material used for the heat exchange.



Project Otway Basin Natural Gas Plant
Location Cape Otway, Victoria
Client Woodside

Key Feature: The RTO unit is used to destroy the waste Amine and other BETEX products that would normally be burnt off in a flare tip. The plant is located adjacent to a National Park and strict environmental guidelines dictated that the waste gases were destroyed without a visible flare.

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Project Bitumen Storage Plant
Location Port Adelaide, South Australia
Client The Shell Company of Australia

Key Feature: The project scope was to destroy odorous compounds during the unloading of bitumen tanker ships. The RTO unit takes the displaced air from the storage tanks and provides the necessary odour destruction of the bitumen based compounds.

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