

Coastal Technologies Provides Steam Separator/Scrubbers for New Zealand's Te Mihi Power Station



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Hampton, SC—Coastal Technologies, Inc. (CTI), a worldwide provider of high-quality industrial mist eliminators, coalescers, and separation solutions, has supplied six steam separator/scrubbers to the Te Mihi Power Station in New Zealand.

The two-unit, 166-megawatt geothermal plant, currently undergoing commissioning, is located in New Zealand's central North Island Taupo Volcano Zone. The Te Mihi Power Station is owned by Contact Energy Ltd., one of New Zealand's leading developers of sustainable power generation systems.

This is CTI's third geothermal power project in the region. CTI supplied a steam scrubber for the 50-megawatt McLachlan Power Station, also owned by Contact, in 1996, as well as a steam scrubber for the Mokai Geothermal Power Plant, now owned by Mighty River Power, one of the world's 10 largest geothermal generation operators.

At Te Mihi, the plant receives low-pressure steam and intermediate-pressure geothermal water that is flashed to steam in a low-pressure flash system and sent to the two steam turbines. This dual flash system uses steam released from the geothermal brine at the two pressure levels. CTI's steam separator/scrubbers ensure 99.9% steam quality to each of the 83-megawatt Toshiba steam turbines.

The double-flash technology used at Te Mihi produces 20 to 25 percent more electricity than what was produced using the same amount of geothermal fluid by the plant that Te Mihi replaces, the Wairakei Power Station, built in 1958. CTI's separation equipment also has been installed in wood-drying mills on the North Island, where geothermal heat is used as the energy source.

For more information about Coastal Technologies, Inc., please call 803-943-4822 or visit www.cti-sc.com.

About Coastal Technologies, Inc.

Coastal Technologies, Inc. is an industry-leading provider of mist eliminators, separators, and purification equipment, with world-class capabilities in steam power, evaporation, metallurgy, desalination, and renewable power. CTI entered the geothermal power business in 1992 by supplying separators to MHI geothermal power plants in the Philippines and Indonesia, subsequently expanding the business to North America, Southeast Asia, Costa Rica, New Zealand, and Japan. Today, CTI is a world leader in the design and manufacture of separators and scrubbers, having supplied a total of 36 units.

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