

Large Custom Design Cooling Towers



EvapTech Cooling Towers



We are the sole NZ agent for EvapTech Cooling Towers.

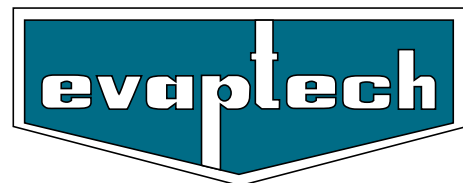
EvapTech offers a broad range of innovative solutions to cooling equipment owners and operators including:

All varieties of new and replacement field erected cooling towers :

- counterflow,
- crossflow,
- fiberglass,
- treated wood,
- film fill,
- splash fill,
- low sound,
- low drift,
- plume abatement in custom & pre-engineered designs.

After market services are available for all types of field erected mechanical draft cooling towers, with work scopes involving :

- structures,
- mechanical equipment,
- improvement of water distribution, fill,
- eliminator systems targeting safe & reliable operation
- thermal performance improvements.



Evaptech Fibreglass Tower Design



The Evaptech Design



The EvapTech Fiberglass cooling tower product line is an advanced design which utilizes induced draft, counterflow technology—the most efficient in the industry and the best design for operation in a freezing climate. The counterflow design provides the EF cooling tower with inherently better operational and maintenance features.

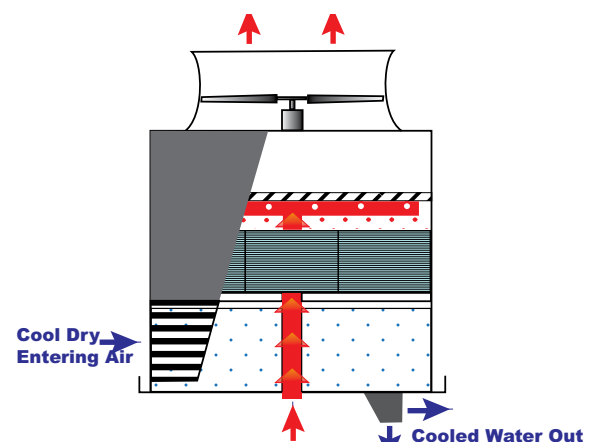
Upgrades and repairs to existing cooling towers and re-designs for better efficiency makes the EvapTech tower range one of the world leaders in cooling tower technology.

From the crossflow EF tower through to large hyperbolic designs, the EvapTech cooling tower range has the best solutions available today for industry.

Principal of Operation

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Tower Applications



Geothermal Applications



Blue Mountain Geothermal - Nevada USA

The Blue Mountain cooling tower was erected using pre-assembled transverse bents which were hoisted as individual assemblies into their final positions and secured to the balance of the structure.

EvapTech has perfected this “bent flying” erection technique using custom designed hoisting beams which reduces costs.



Heber South Geothermal Plant
- California USA

The Heber South (Brine Binary) Geothermal Power Plant includes Ormat Energy Converter (OEC) that uses geothermal brine as its heat source.

The cooling tower is required to withstand extreme seismic loads noted by the diagonal bracing members shown below. The cooling tower was also furnished with a custom tan color casing and matching fan cylinders.

Power Station Applications



Tower Refurbishment Coal Creek Energy - North Dakota USA

EvapTech completed a ring replacement with new fibre-glass structure for this round cross-flow tower.

The scope included demolition, disposal, new framing, fill, eliminators, and hot water distribution system.

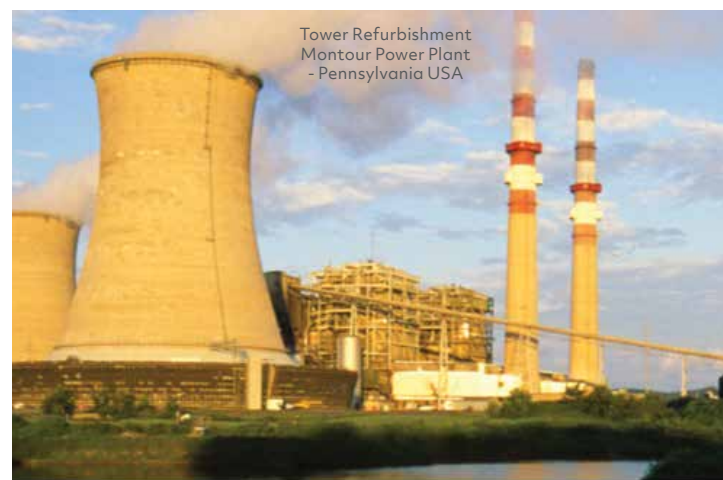
From refurbishment of existing cooling towers to complete new tower design for geothermal or nuclear Power stations, there is a design available for most cooling tower applications.



New Tower Jack Watson Power Station - Mississippi USA



6 New Towers
Catawba Nuclear Power Plant
- South Carolina USA



Tower Refurbishment
Montour Power Plant
- Pennsylvania USA

Other products & services



windsor.sales@windsor.co.nz

Windsor Engineering Group provides full-life service and maintenance support to customers throughout New Zealand.

Our dedicated service team provides installation, commissioning, routine maintenance, emergency cover and engineered upgrade work for all industrial applications and works with customers from all industry sectors.

Other products & services offered include:

Air filtration

- Chemical gas & odour filtration
- Filter media
- Frames, housings & accessories
- HEPA filters
- Hospital & clean room equipment
- Panel filters
- Pocket filters
- Servicing & parts

Coils

- Air handling units
- Boiler heat recovery units
- Direct expansion coils
- Finned tube
- Laundry coils
- Special coils
- Stainless steel water coils
- Steam coils
- Thermal fluid coils & tube bundles
- Unit heaters
- Water coils

Cooling towers

- Packaged cooling towers
- Site erected cooling towers
- Servicing & parts

Energy

- Air Heaters
- Biomass conversions
- Boilers
- Servicing & parts

Expanded metals

- Animal cages, benches, bird proofing, building cladding
- Car grilles, ceiling panels, correctional facilities & transport
- Decorative panels, display stands
- Filters, fire screens, flooring, gratings, grilles
- Machinery guarding, non-slip surfaces, plant supports
- Racks, screens for anti-glare, privacy, sun & ventilation
- Shelving, security mesh, street furniture
- Strengthening & reinforcing material for concrete & plastic products, trays, ventilation

Heat exchangers

Industrial fans & blowers

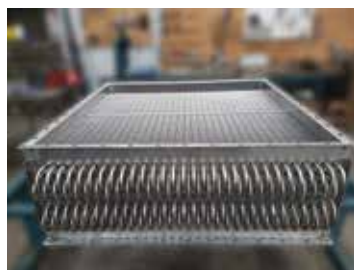
- Blowers
- Clean air fans
- Material handling fans
- MVR fans
- Packaged blowers
- Specialised fans

Material handling equipment

- Pneumatic transfer
- Rotary valves
- Silos

Noise control

- Acoustic enclosures & louvres
- Attenuators
- Specialised attenuation



Please contact our Auckland sales office for these products:

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