



ENERGYMIST



Miatech

MIATECH SOLUTIONS

# Evaporative Cooling

*Effective support on hot summer days.*

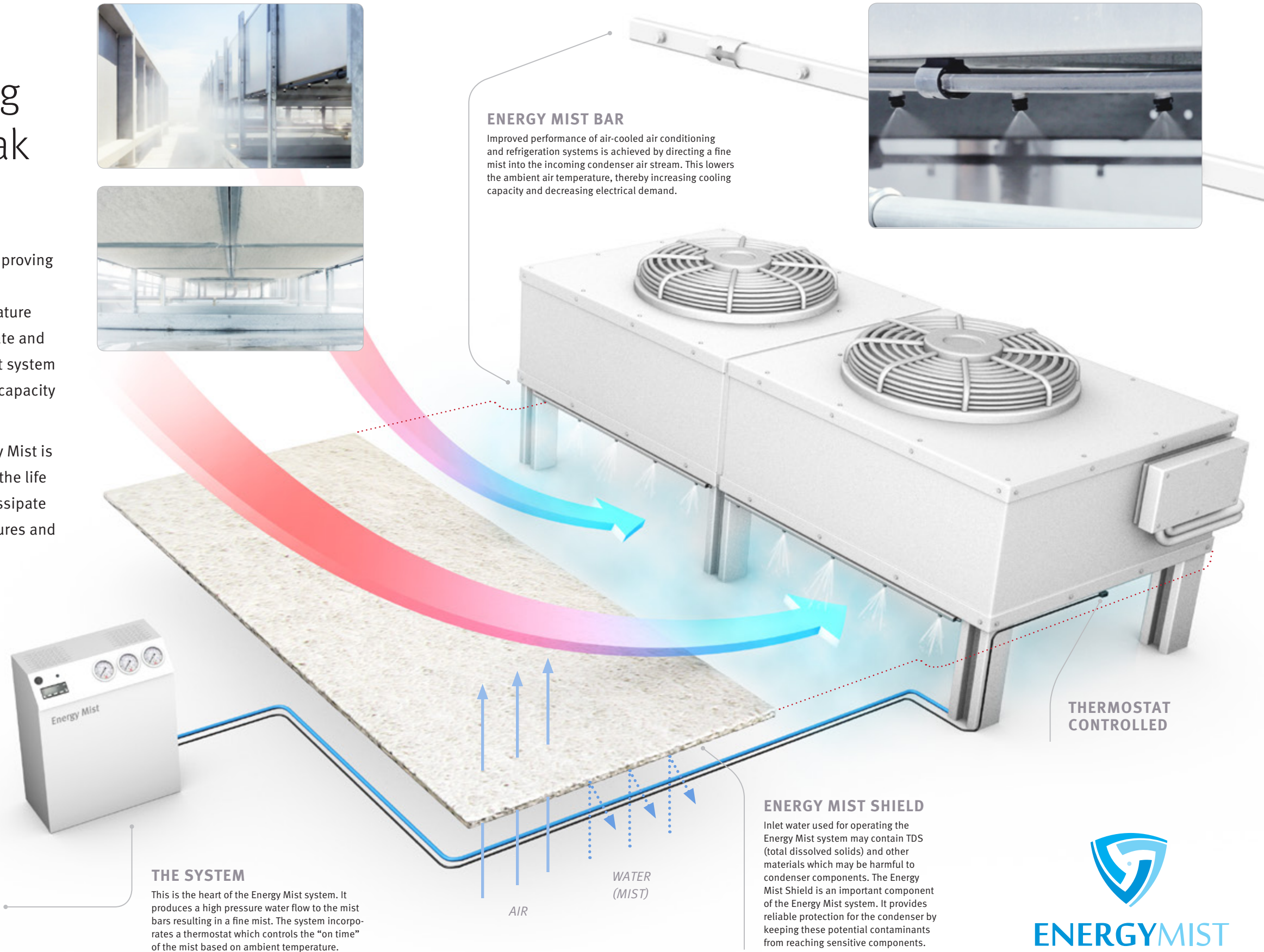


# Increase peak cooling capacity. Reduce peak electrical demand.

Energy Mist is a simple, cost-effective method of improving the performance of air-cooled refrigeration and air-conditioning systems. Under peak ambient temperature conditions when cooling capacity is often inadequate and energy usage is high, the addition of an Energy Mist system to existing cooling units will increase peak cooling capacity while reducing peak demand and energy usage.

Developed for a wide variety of applications, Energy Mist is a reliable and proven technology that can increase the life expectancy of cooling systems. Condensers will dissipate heat more efficiently, resulting in lower head pressures and less demand on your system.

- Reduced peak electrical demand up to 30%
- Increased peak cooling capacity up to 20%
- Compressor life is extended
- Inexpensive to install and maintain



### ENERGY MIST BAR

Improved performance of air-cooled air conditioning and refrigeration systems is achieved by directing a fine mist into the incoming condenser air stream. This lowers the ambient air temperature, thereby increasing cooling capacity and decreasing electrical demand.

THERMOSTAT CONTROLLED

### ENERGY MIST SHIELD

Inlet water used for operating the Energy Mist system may contain TDS (total dissolved solids) and other materials which may be harmful to condenser components. The Energy Mist Shield is an important component of the Energy Mist system. It provides reliable protection for the condenser by keeping these potential contaminants from reaching sensitive components.

### THE SYSTEM

This is the heart of the Energy Mist system. It produces a high pressure water flow to the mist bars resulting in a fine mist. The system incorporates a thermostat which controls the "on time" of the mist based on ambient temperature.



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