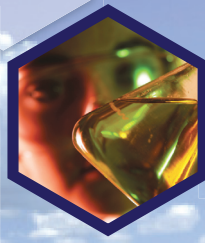




Dow's products and technology are all around—driving improvement in agriculture and water treatment, to better building products for our homes and leading edge electronic technologies. Through "Discover Dow" we hope you will learn more about the way Dow touches and enhances lives throughout the world.



Discover DOW

DOWTHERM™ Goes to School

With 21 buildings and over 10,000 students, staying cool is important for Florida Gulf Coast University.

In order to keep the campus cool and manage its carbon footprint, the university invested in a Thermal Energy Storage system — a process that uses DOWTHERM™ SR-1 Heat Transfer Fluid. Not only does the system help students and faculty cope with Florida's relentless heat and humidity, it saves the school almost \$5 per square foot in energy costs!

The Cool Uses of Heat Transfer Fluid Technology

On a hot day, the cold air blasting out of an air conditioner can feel like pure bliss. But where does that cool air come from when the outdoor temperature is soaring? It's made possible by heat transfer fluid technology.

Heat transfer fluid is a type of coolant used in many applications to transfer heat produced by different devices — keeping the applications at their desired temperatures. Often times, using heat transfer fluid technology contributes to sustainable practices, such as energy efficiency.

One specific type of heat transfer fluid produced by Dow called DOWTHERM™A is capable of accommodating temperatures up to 400 degrees Celsius or 752 degrees Fahrenheit! DOWTHERM™A is used in everyday applications, as well as in more demanding and specialized purposes such as pharmaceutical, chemical and

plastics processing, the oil and gas industry and concentrating solar power installations (CSP). For example, CSP uses mirrors to reflect and magnify heat from the sun onto a closed circulating loop containing DOWTHERM™A. The fluid collects the heat energy and then transports it to a power station where it's used to produce steam, which drives turbines that generate electricity.

The contributions of DOWTHERM™A to renewable applications like solar power technology help regions around the world reduce dependence on fossil fuels, meet goals for carbon emissions and improve overall air quality.

