



## MEGTEC Systems Commitment to Sustainability

Sustainability is an area that MEGTEC Systems has focused on for many years. As the largest manufacturer of flotation dryers and pollution control equipment, we have always been committed to what today is called “sustainability”. From our first thermal oxidizer shipped in 1971, which included a heat exchanger many considered to add too much cost -- to today’s regenerative thermal oxidizers with up to 97% thermal efficiency, MEGTEC has been committed to helping our customers save energy. Today using our 14 engineering solutions centers around the world, we are continuously striving to find better methods of helping our customers meet their sustainability goals.

Based on our research using the “Voice of the Customer”, we have designed the best solutions for our customers while minimizing our impact on the environment and community. Our facility has been ISO-14001 certified since 2003, allowing us to establish our environmental policy, determine environmental aspects and impacts of products/activities/services, plan environmental objectives and measurable targets, implement programs to meet objectives and targets, track our programs, and take corrective actions where needed. In addition, MEGTEC is a Level 2 participant in the [Wisconsin DNR Green Tier program](#). This program highlights our commitment to expand our superior environmental performance by encouraging our supply chain to offer environmentally preferable products and practices, by encouraging those businesses in their supply chain to develop their own Environmental Management System and by sharing environmental improvement results with others.

In 1998, the U.S. Environmental Protection Agency (EPA) established the Climate Protection Awards to recognize exceptional leadership, outstanding innovation, personal dedication, and technical achievements in climate protection. This award is selected by an international advisory panel of judges representing government, industry, and non-governmental organizations. In May 2008 at the Kennedy Center in Washington, D.C., MEGTEC was presented this award for our efforts in development of our patented technology to allow coal mines to reduce methane emissions and in the process produce electrical energy. MEGTEC is proud to be the only emission control manufacturer, *ever*, to receive this internationally recognized award. For added information on this program, go to <http://www.epa.gov/cppd/climateawards>.

Having a positive impact is something MEGTEC provides its customers to help meet their sustainability goals. We recognize that meeting sustainability has a very positive impact on not only our world community, but also can have a huge impact on the financial performance of any company. It is this goal to help our customers to reduce their

bottom line that allows us all to have a positive impact on the world we live in. This can be achieved in both design of new products and optimization of existing products for our client's facilities.

In MEGTEC's dryer product line, this is achieved by providing the highest heat and mass transfer to the substrate to allow the energy used in the drying process to be kept at a minimum while producing the quality our client's customers expect from their lines.

In the emission control portion of our business, we are the *only* manufacturer to offer all commercially proven technologies to reduce the solvent-based emissions to the atmosphere. This allows us to look at each application and suggest the technology that best fits his needs and requirements. The technologies we offer are as follows:

### **Solvent Recovery**

The Solvent Recovery Division of MEGTEC Systems provides carbon adsorption systems for solvent recovery, VOC rotary concentrators, distillation systems, bioreactors and bioscrubbers for VOC control, and related services on a worldwide basis. MEGTEC utilizes the most advanced and reliable adsorption and distillation technologies to recover and purify up to 99% of all solvents for reuse. The technology also exceeds regulatory requirements by removing volatile organic compounds and other hazardous air pollutants from process emissions.

### **Oxidizers**

MEGTEC has installed more industrial VOC oxidation systems than any other commercial supplier in the world. Its emission control equipment has been proven in the most demanding printing, process and abatement applications. MEGTEC emission control systems deliver the highest levels of effectiveness and operating efficiency. MEGTEC regenerative thermal oxidizers handle flows from 2,000 scfm to 90,000 scfm with 99% VOC destruction and 97% thermal efficiency. MEGTEC also has extensive experience in providing secondary heat recovery to supply heated air, thermal oil, steam, and hot water for downstream processes. MEGTEC offers unrivaled success working with regulatory agencies.

### **Optimization and Upgrades**

The new Process Heat Recovery System from MEGTEC Systems extracts wasted heat energy and uses it to provide supplemental heating or summer cooling. The system manages source temperatures as low as 200°F or as high as 700°F, and allows the choice of either heated air delivery or cooling air when the ambient conditions permit. This heat can be used for increasing the efficiency of oxidizers with lower heat recovery in the design. Optimization by replacement of heat exchange media in existing RTO systems can allow for increased flow, improved thermal efficiency, or both. MEGTEC's Energy and Engineering Services Group is working with our clients today to provide these services.

For more information, visit: [http://www.megtec.com/news\\_bulletin.php](http://www.megtec.com/news_bulletin.php)

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