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## **EPA recognizes Texas Instruments as a Clean Air Excellence Award winner**

### **TI earns recognition for Clean Air Technology**

DALLAS (July 2, 2008) - Texas Instruments Incorporated (TI) was among 11 winners named to receive the U.S. Environmental Protection Agency's eighth annual Clean Air Excellence Awards for outstanding accomplishments in improving air quality and reducing greenhouse gas emissions. The awards were presented recently at a ceremony in Washington, D.C.

There are four categories of awards: clean air technology, community action, education/outreach, and regulatory policy innovations. TI and Matros Technologies Inc, (MT) were recognized for innovative clean air technology they developed jointly, which improves abatement of volatile organic compounds (VOCs) in semiconductor manufacturing.

"This year's Clean Air Excellence Award winners' dedication to creating a cleaner tomorrow is truly a breath of fresh air," said EPA Administrator Stephen L. Johnson. "From local to state governments, companies to citizen groups, these award-winners are helping EPA deliver healthier air and healthier lives to all Americans."

TI and Matros Technology initially collaborated to reduce emissions at three of TI's semiconductor manufacturing facilities. As a result of the joint research and development, the companies discovered added environmental benefits.

The installation of the Matros copper-chromium catalyst reduced NOx emissions and improved VOC performance. The catalyst installation made it possible to combine the low temperature of catalytic oxidation with the high thermal efficiency of regenerative heat exchange, providing three primary environmental benefits.

First, due to the much lower oxidation temperature, the regenerative catalytic oxidizer operates using 50 to 60 percent less fuel and generates approximately 40 percent less NOx. Second, due to the nature of the catalyst, greater than 99 percent destruction efficiency can be maintained longer, improving energy recuperation and reducing maintenance activities. Finally, using MT's catalyst reduces the volume of packing material disposed annually.

Additionally, this technology reduces the use of natural gas as well as materials and labor and disposal costs. The collaboration of TI and Matros Technologies has successfully reduced air emissions and material disposal at TI and can be applied globally to similar facilities in the industry.

The Clean Air Excellence Awards recognize and honor outstanding, innovative efforts that make progress in achieving cleaner air. The Awards were established in 2000, at the recommendation of the Clean Air Act Advisory Committee (CAAAC), a senior-level policy group that advises EPA on implementing the Clean Air Act. For a complete list of this year's EPA award winners nationwide, please visit:

[www.epa.gov/air/caaac/recipients.html](http://www.epa.gov/air/caaac/recipients.html).