



OPE Update

October 2013

Achates Power a Finalist in Local and National Technology Awards Competitions

Achates Power was just named as one of six semi-finalists in a national competition for emerging innovations. Sponsored by Securing America's Future Energy, the [Energy Security Prize](#) will recognize three organizations that are developing technologies to significantly reduce long-term U.S. oil consumption. The technologies--all focused on advanced transportation and new industrial and petrochemical processes--are expected to be for sale within the next five years.

After submitting a written application and delivering a presentation in Washington, D.C. earlier this week, Achates Power has advanced to the public voting round. To cast your vote, click [here](#). **Voting ends on October 11.** The top three companies will then present at the [OPEC Oil Embargo +40 National Summit on Energy Security](#), where the winner will be announced.



Achates Power also reached the [finalist round](#) of the CONNECT Most Innovative New Product Awards. CONNECT, a regional program that promotes ground-breaking technology and life sciences products in San Diego County, will select the winning organizations in each award category on December 6.

What Sets the Achates Power Engine Apart?

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With two pistons per cylinder and without parts like the cylinder head, the opposed-piston, two-stroke engine has a number of benefits that make it inherently more efficient than conventional, four-stroke powertrains. But, how exactly does it work? And, what makes the Achatés Power architecture deliver significantly better fuel economy and emissions results? Click [here](#) to find out.



"Under the Hood"

Designing an Opposed-Piston Engine for Light-Duty Applications

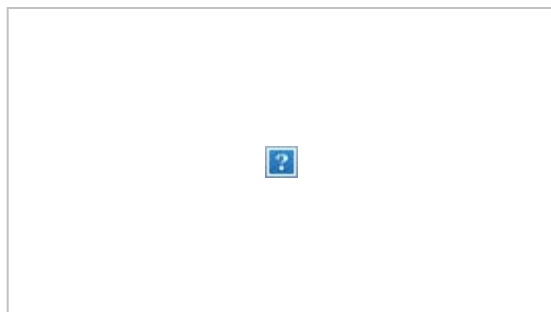


*By Fabien Redon
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Regulatory agencies and consumers are demanding a reduction in CO₂ emissions—putting greater pressure on auto manufacturers to enhance overall vehicle efficiency. What some don't realize, however, is that the opposed-piston, two-stroke (OP2S) engine can provide reduced fuel consumption and low emissions without added cost and complexity. In fact, Achatés Power has already demonstrated a 21% cycle-average and 15% best-point advantage versus the leading medium-duty diesel engines. But, do these same efficiency benefits extend to light-duty applications? [Read more.](#)

In the News

Achatés Power was the focus of a recent [episode](#) of *Autoline After Hours*.



Other news coverage includes:

- [The Science of Combustion](#)
(*Desktop Engineering*)

- [Military Mulls a Two-Stroke Solution](#)
(Diesel Progress)
- [Opposed Pistons and Other Pressing Automotive Issues](#)
(Automotive Design and Production)
- [54.5 MPG Surprisingly Close But Demands Electrification, Experts Say](#)
(WardsAuto.com)
- [Achates Power Developing Light-Duty Two-Stroke Opposed-Piston Diesel Engine: the OP4](#)
(Green Car Congress)

Upcoming Events

Don't miss Achates Power at these industry events:

- [Engine Expo 2013 North America](#)
October 22, 2013 at 10:55 a.m. in the Expo Hall
The Suburban Collection Showcase.
Novi, MI
Presentation: Meeting New Efficiency and Emissions Standards with the OP Engine
- [Global Powertrain Congress \(Engine 2013\)](#)
October 30, 2013 at 11:30 a.m. in the Auditorium
MSU Management Education Center
Troy, MI
Presentation: Meeting Stricter Fuel Efficiency and Emissions Standards with the Opposed-Piston Engine
- [3rd Aachen Colloquium China Automobile and Engine Technology](#)
November 6, 2013 at 2:30 p.m. in Jade Ballroom AB
Kempinski Hotel Beijing Lufthansa Center
Beijing, China
Presentation: Opposed-Piston, Two-Stroke Diesel Engine Advantages in Meeting Higher Fuel Efficiency and Emissions Standards
- [SAE 2013 International Energy Savings and Emission Reduction Forum](#)
November 7, 2013 at 10:00 a.m. in Room M47
Shanghai New International Expo Centre
Shanghai, China
Presentation: Reducing Fuel Consumption and Emissions with the Opposed-Piston Engine
- [SAEINDIA International Mobility Conference & Commercial Vehicle Engineering Congress \(SIMCOMVEC\)](#)
December 4-7, 2013
Chennai, India
Presentation: Practical Applications of Opposed-Piston Engine Technology to Reduce Fuel Consumption and Emissions

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OPE Update is an email newsletter from Achates Power, Inc. For questions or comments, please email news@achatespower.com or call +1 858.535.9920, ext. 231.