



February 2, 2015

Dear Friends,

It is my great pleasure to announce that the 2014 ICS Prize for the Chemical Green Industry will be awarded to Dor Chemicals Ltd. for their contributions to protection of the environment by advancing methanol-based technologies and demonstrating that methanol, which is significantly less polluting than oil-based fuels, can be used for transportation and for production of electricity.

Methanol is a clean and cheap alternative fuel, easily produced from natural gas and significantly less polluting than oil-based products. Burning methanol produces lower carbon monoxide, far less carbon particles and no oxides of sulfur and nitrogen. These advantages, as well as the fact that methanol is easy to store and transport, make methanol a very environmentally-friendly liquid fuel. The first Sheila and Eric Samson Prime Minister's Prize for Alternative Fuels for Transportation was awarded in 2013 to G. K. Surya Prakash and George A. Olah for advancing the concept of methanol economy worldwide. Dor Chemicals is leading much of the national effort to implement methanol as a clean fuel for transportation and electricity.



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**Shaya Baitel**  
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**Yossi Antverg**  
Methanol  
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Dor Chemicals

In 2012 Dor Chemicals began testing methanol as transportation fuel in a number of its fleet vehicles using 15% methanol (M15) in the fuel of standard cars. Following 3 years experiments the vehicles accumulated more than 1 million km. Steering governmental committee and Israeli standard Institute supervised the experiment. Last year Dor has also initiated experiments with higher proportions of ethanol and methanol in gasoline at the level of 70-85% (M70-M85) in Flexible Fuel Vehicles (FFV).

In October 2014, Dor Chemicals and the Israel Electric Corporation have successfully converted the turbo-generator in Eilat to produce electricity. This was the first gas turbine worldwide to be fueled by methanol instead of diesel oil. Switching to methanol was found to involve only minor modifications and was proven to be cost-effective. This solution could be useful for power plants that are not connected to the natural gas network. Furthermore, Dor has successfully operated industrial steam boilers using mixtures of methanol and heavy fuel oil, which may lead to effective low cost solutions to reduce emission in industrial steam boilers.

The award ceremony will take place during the 80<sup>th</sup> ICS Annual Meeting in David Intercontinental Hotel in February 17, 2015.

Congratulations to the people of Dor Chemicals for their achievements!

*Ehud Keinan*

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