#### **Immediate**

# **Araldite® and ORECA Look To 2010 Racing Success**

It's been twelve months since the ORECA 01 car made its first appearance at the Sarthe and now it's back; ready to take on the 24 Hours of Le Mans, 2010. Thanks to Araldite® and the team around it, there are great expectations for the ORECA 01 car during this racing season.

In this year's race, the ORECA 01 car will be using new rear view mirrors with a thin film encapsulated Flexible Organic Light Emitting Diode, OLED, in a composite structure done in a one shot process. OLEDs are paper-thin, flexible and lightweight devices consuming up to 70% less energy compared to conventional light sources, making them prime candidates for the next generation of lighting.

To use OLEDs on the car, there was one critical step to overcome. OLEDs are sensitive to moisture, and even to oxygen, and had to be protected from these in order to maintain a long lifetime. The success of the OLED on the car is dependent on the encapsulation technology and Araldite® composite materials.

Part of the OLED research was conducted within the European FP7 programme Fast2Light, co-ordinated by Holst Centre. In the field of encapsulation technology and moist barriers for flexible electronic devices, it appears that Holst Centre and its partners are amongst the few who are already able to make flexible OLED lighting and signage devices.

Since OLEDs are not expected to become available in target niche or mass market lighting applications for a few years to come, the integration of the OLEDs into the ORECA O1's rear view mirrors represents a great success.

Pierre Seze, Composite Department Manager at ORECA explained:

"We are extremely happy and proud to be involved in the OLED project. The integration of the OLED system in our carbon fiber pre-preg creates several advantages for our race car. Due to its weight, the performance of the rear view mirror is not compromised and there are no mechanical issues associated with the OLEDs.

"This technology fits perfectly with the extremely demanding constraints of an endurance race such as the 24 Hours of Le Mans. We pay tribute to the team at Huntsman's laboratory for their help and support during the whole process."

André Genton, Huntsman CEO said: "The ORECA car has already proved its speed and reliability over the past three seasons and by working hand in hand with other members of the team we have the opportunity to test our materials far beyond the limits of normal conditions. If Araldite® can withstand the demands of a racing track, then we know we have a winning formula."

Ton van Mol, Programme Manager of Flexible OLED Lighting and Signage at Holst Centre added: "We are very proud to see our technology successfully applied in this ambitious and prestigious project. To my knowledge, it is the first time that an OLED on flexible foil is shown outside the laboratory in an actual application. Because of the harsh conditions, applications in automotive are always very demanding for the technologies that are used. Racing teams like ORECA raise the bar even higher. The results of this integration project will be very valuable in our further research. We wish the entire team all the best during the race and hope that drivers, car and OLED will make a bright finish."

The ORECA 01 car has been built with Araldite technology and extensive work on hundreds of different racing car configurations using RenShape® SL resins and RenShape® BM 5055 tooling boards for prototype moulds for carbon pre-pregs.

There is also a new air box, assembled with the help of Araldite® 2014, a two component epoxy based adhesive with high temperature, water and chemical resistance.

Whilst retaining its inspiration from the painter Mondrian, the ORECA car has a new livery which draws on the style of the chrome roof of the car to give it a truly 21st Century look.

Since finishing fifth in last year's race, the ORECA 01 has had a good year with two pole positions in Le Mans Series, a victory at Silverstone, a fifth place finish at the Petit Le Mans and two podiums in the Asian Le Man Series. Still powered by AIM, but now fitted with Dunlop tyres, the car will be driven by Soheil Ayari, Didier André and Andy Meyrick.

Ends

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Huntsman is a global manufacturer and marketer of differentiated chemicals. Its operating companies manufacture products for a variety of global industries, including chemicals, plastics, automotive, aviation, textiles, footwear, paints and coatings, construction, technology, agriculture, health care, detergent, personal care, furniture, appliances and packaging. Originally known for pioneering innovations in packaging and, later, for rapid and integrated growth in petrochemicals, Huntsman today has more than 12,000 employees and operates from multiple locations worldwide. The Company had 2009 revenues of approximately \$8 billion. For more information about Huntsman, please visit the Company's website at <a href="https://www.huntsman.com">www.huntsman.com</a>.

### Forward Looking Statements:

Statements in this release that are not historical are forward-looking statements. These statements are based on management's current beliefs and expectations. The forward-looking statements in this release are subject to uncertainty and changes in circumstances and involve risks and uncertainties that may affect the company's operations, markets, products, services, prices and other factors as

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