

PRESS RELEASE

A New Dimension

Frankfurt International Motor Show (IAA)
September 15-25, 2011

Stand A 12, Hall 5.1



Plastic Omnium at the IAA Frankfurt International Motor Show: solutions for sustainable mobility

Paris/Frankfurt, September 12, 2011: At this year's 64th Frankfurt International Motor Show from September 15 to 25, the Plastic Omnium stand will show the expertise of Plastic Omnium Auto Exterior, world leader in exterior components and modules, HBPO, world leader in front-end modules, and INERGY, world leader in fuel and emission reduction systems. At this year's show, Plastic Omnium will be showcasing its latest innovative developments in vehicle weight and emission reduction (CO₂ and NO_x).

360° solutions for sustainable mobility

Plastic Omnium makes an essential contribution to improving vehicle environmental performance thanks to INERGY expertise in fuel and emission reduction systems, and through Plastic Omnium Auto Exterior innovative solutions, which help to reduce vehicle weight.

Extending the product range to include structural composite parts

By taking the opportunity offered by IAA 2011 to showcase structural composite parts for the first time, Plastic Omnium is leading the way towards a major change in the automotive industry that will deliver automobile weight savings of 110 kg; which represents 45% less than traditional steel solutions. These high performance composites can withstand unusually high levels of stress and impact, which makes them the natural choice for replacing steel in chassis applications. Plastic Omnium composites use fabrics, new resins and new types of fiber to offer reinforcement rates of up to 80%.

As the world leader in thermoplastic body parts and the global Number 1 in composite applications (with 30% of the market), Plastic Omnium offers even more efficient hybrid solutions. As a result, Plastic Omnium has developed and perfected the first hybrid tailgate, which is now in production, saving 6 kg on the Peugeot 508 SW and 10 kg on the Range Rover Evoque. The combination of thermoplastic and composite technologies means that Plastic Omnium can offer the most appropriate material for each individual application.

A new generation of SCR systems for clean diesel vehicles

INERGY has developed a Selective Catalytic Reduction (SCR) diesel vehicle exhaust gas emission reduction system called DINOx, which drastically reduces NO_x emissions. This system injects a urea solution called AdBlue® or DEF (Diesel Exhaust Fluid) into the exhaust pipe. On contact with exhaust gases, it is transformed by hydrolysis into ammonia, which reacts with the nitrogen oxides, converting them into non-polluting nitrogen and water vapour. INERGY DINOx technology anticipates the Euro 6 standard due to be introduced in 2014, and has been adopted by Audi for its Q7 3.0l TDI clean diesel.

INERGY is also presenting DINOx Premium, the latest generation of its DINOx technology, which removes 95% of vehicle NOx emissions and up to 8% of CO₂ emissions. Its compact, flexible design makes it suitable for use with all types of diesel vehicle. Optimizing packaging space, functional performance and cost, DINOx Premium has been adopted by Audi, General Motors and Chrysler for 'clean diesel' vehicles that will be manufactured in Europe and in North America from the end of this year.

Supporting new hybrid powertrains

Plastic Omnium offers solutions tailored to every type of hybrid powertrain. In micro-hybrid vehicles which are now becoming increasingly popular, largely as a result of Stop & Start technology, the 'slosh noise' of fuel moving in the tank is no longer masked by engine noise when the vehicle stops. INERGY deals with this issue by offering a family of INBAFFLE noise-reduction solutions to improve acoustic performance. Moreover, INERGY also supplies, or will soon supply, fuel systems to more than 20 different models of full-hybrid vehicle, able to travel short distances on electric power only. For Plug-in Hybrid Electric Vehicle (PHEV), INERGY offers reinforced plastic systems capable of storing hydrocarbon vapours until engine restarts without damage.

A global growth strategy

Plastic Omnium operates in 28 countries, with 14 R&D centers and 100 plants on four continents. Annual revenue is forecast to reach €4 billion in 2011. As worldwide production of automobiles is forecast to grow by 35% between 2010 and 2015, the Group continues to pursue its growth strategy by accelerating its pace of development in high-growth economies, and strengthening its leading market positions in the mature regional markets of North America and Europe.

Plastic Omnium already has 18 plants in the BRIC countries, including 12 in China, where two new production sites are scheduled to come on-stream within the next three years. In July, Plastic Omnium formed a joint venture owned 60% by Plastic Omnium Auto Inergy and 40% by China's fourth-largest automobile manufacturer BAIC to produce fuel systems. This deal boosts the potential of the Group to grow alongside BAIC and its local partners Hyundai and Mercedes. In India, the latest plant opened on July 5th this year was constructed in partnership with Suzuki-Maruti, which holds a 40% share of the local automobile market.

In North America and Europe, production is forecasted to grow by 50% and 24% respectively between 2010 and 2015 (source: IHS), driven by strong demand for compact, lower emission vehicles. In these markets, Plastic Omnium continues to extend its leadership through external growth acquisitions and the success of its innovative solutions for reducing vehicle weight and emissions. The acquisition in June this year of the fuel systems production assets of the Ford Motor Company's US subsidiary Automotive Components Holdings LLC will enable Plastic Omnium to increase its market shares in North America and support Ford in its global development plan.

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