



## 8th - NEWSLETTER MOTORSPORT EXPOTECH 29th of June 2009

<http://www.motorsportexpotech.com/>

*Iscriviti all'unica Community professionale per  
incontrarsi e confrontarsi sul Motorsport*

### CONVENTIONS: COLLABORATION DEFINED WITH THE UNIVERSITY OF MODENA AND DEMOCENTER-SIPE

The formula of highly specialised conventions has been upgraded compared to the first edition in October 2008 following ModenaFiere's implementation - under the supervision of the promoter and scientific coordinator, Assomotoracing - of major collaboration agreements with the Faculty of Engineering, University of Modena and Reggio Emilia, the most important in the motoring field, and DemoCenter-Sipe, the Innovation and Technology Transfer Centre.



Study, design, simulation of engines and their components, engine control and reduction of chassis weight are just some of the topics that the Modena Faculty of Engineering will tackle through reports and direct experiences by technicians representing the most qualified companies in the sector, such as Ferrari, Ducati, Lamborghini, Magneti Marelli and Fiat Powertrain Technologies, in order to analyse the main themes concerning the performances and technical features of competition vehicles.

A preview of contents:

Design of specific high power engines at FPT – Fiat Powertrain Technologies

The Multi-Air system – Magneti Marelli

Study of high performance engines through thermo-structural simulation – Ferrari Auto

Modelling of the structural behaviour of engine components for racing motor-bikes – Ducati Corse

Optimisation to reduce chassis weight in racing vehicles – Ferrari Auto

Chassis design for high performance motor-bikes at Ducati – Ducati Corse



UNIVERSITÀ DEGLI STUDI  
DI MODENA E REGGIO EMILIA

All these topics were also developed in collaboration with university research centres, which will equally attend the convention and present reports discussing the research carried out.

### R&D - RACING AND DEVELOPMENT MEDIA PARTNER OF MOTORSPORT EXPOTECH

Assomotoracing, as the promoter of the event, after two years of publishing information through R&T - **Racing and Technologies**, has decided to accelerate towards an even more future-oriented objective by creating a new publication - **R&D - Racing and Development**.

R&D, which hereafter will become the only official magazine of the Association, will focus more attention on the topic of new materials and the development of new technological processes, and will act as **media partner** for the international exhibition.

### EXHIBITING COMPANIES



AEROTECH is specialised in Engineering, Design and Production of high-tech parts, tools, devices and prototypes. For more than 20 years we produce special parts for racing teams in different categories.

Fifteen high qualified and experienced engineers and technicians create unique solutions for leaders. A high tech machinery park makes sure to produce any difficult solution in precise swiss quality and monitored by an ISO certified quality system.

Our experience in the fields of aircraft tooling and medical technology give us the safety to machine all type of exotic metallic material such as MMC, Ti Grade5 and nickel alloys .

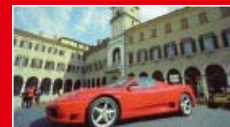
And all these just in time for the final lap.

Visit us at our boot on the MOTORSPORT EXPOTECH 2009; we are ready to talk about your needs.



Horacio Pagani founded Modena Design in 1991. The company is

Hospitality in Modena



Evento collaterale



MIA Member



in the avant-garde for applications of composite materials. In 1998, he set up Pagani Automobili, the brand he used to present the Zonda project - a supercar with innovative design and bodywork entirely in carbon fibre. The concept of design applied by his company is inspired by the Renaissance philosophy of Leonardo Da Vinci whereby art and science are blended together.



VECA S.p.A. was founded in 1962 as metal mechanics firm, specialized in machining and fitting of groups for the automation for a firm like F.I.A.T. During the eighties it became partner, for mechanical parts, of Ferrari Gestione Sportiva.

At the end of the nineties Veca extended its market leadership to Aeronautical companies, underlining the excellent technological and qualitative value.

In 2005 Veca won the award "Eccellenza Italiana" as best supplier for Ferrari Formula 1.

Nowadays Veca is specialized in the realization of parts in special alloys such as aluminium, MMC, titanium and steel, used in the main Motorsport competitions like Formula 1 and Nascar.

Veca works primarily for teams such as Ferrari Ges, Toyota Motorsport, Red Bull Technology, BMW Sauber and Brawn Gp where it is strategic supplier for engine, power train and chassis.

Veca Group consists of one hundred and twenty highly qualified people and it is leader for the production of precision components for Motorsport.



The Istituto Italiano della Saldatura (Italian Welding Institute) was founded in 1948 and is a private-sector authority. Its main tasks are study, research, training, certification and technical assistance in the welding field and related techniques. The central head offices are in Genoa. In the 1990s, offices were also opened in Legnano (MI), Mogliano Veneto (TV), Priolo Gargallo (SR) and Taranto.

It has about 200 employees, of whom two-thirds holding degrees or technical diplomas. Its staff also operates on an international scale, in particular through Engineering, Inspection and Technical Assistance services supporting Italian industry world-wide.

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