WEBINAR
SUSTAINABILITY:
A STRATEGIC DIRECTION FOR THE AUTOMOTIVE INDUSTRY

TUESDAY 23.02 H 15:00 -16:30
@GOTOWEBINAR

AGENDA

h. 15. 00 Log in and introduction by Piemonte Agency

h. 15.10 Ing. Agrawal - **BMW Group** - *No Premium without Responsibility: Sustainability perspectives from BMW*

h. 15:30 Ing. Perazzo - **FEV Italia** - *Predictive functions for automotive energy management: evolution and benefits*

h. 15:50 Ing. Arena - **TÜV SUD** -*Towards zero-emission cars: the importance of the supply chain*.

h. 16:10 Questions & Answers

Speakers and outlines (in order of appearance)

BMW Group - Amit Agrawal **Corporate Strategy Sustainability & Mobility**

Amit Agrawal works on the topic of circular economy within the corporate strategy team at BMW Group. He has been associated with BMW Group for the past three years in various capacities at the corporate strategy function.
Prior to his current role, Amit spent 13 years in the telecommunications industry with roles spanning business development, business strategy and product management. He studied Mechanical Engineering and holds a Master's in Business Administration from IIM Bangalore, India and another Master's in Sustainable Mobility Management from TU Berlin, Germany.

No Premium without Responsibility: Sustainability perspectives from BMW

- Current state of automotive industry (in general and expected future)
- Focus on emissions and shifting balance – from tailpipe to production of vehicles
- BMW commitments towards Paris Agreement, including sustainable supply chain.

FEV Italia Alessandro Perazzo - **Benchmarking & Intelligent Mobility Manager**

In FEV Italy, a subsidiary of FEV Europe GmbH, since 2011, he manages the benchmarking team of conventional and electrified powertrains, coordinating the measurement of emissions and fuel consumption on vehicles, in collaboration with manufacturers and research organizations. He also coordinates the Intelligent Mobility team, active in the development, validation and testing of ADAS systems, connectivity, and Smart Mobility using and developing software-in-the-loop, hardware-in-the-loop and in-car validation platforms.

He holds a degree in Mechanical Engineering from the Politecnico di Torino and a Master's in Powertrain Engineering from the IFP-School in Paris.

Predictive functions for automotive energy management: evolution and advantages

1. Trends e drivers for technological evolution in the automotive sector
2. Impact of energy management strategies, and main functions coming to the market and developed by FEV
   - Prediction of speed profile and vehicle mission
   - Predictive minimization of equivalent energy consumption (hybrid vehicles)
   - Predictive thermal and energetic management of batteries (hybrid or full electric vehicles)
   - Predictive emission management (hybrid or conventional vehicles)
3. Integrated mobility management strategies through "smart" infrastructures"

TÜV SUD Riccardo Arena - **Senior Consultant, TÜV SÜD Business Assurance**

Riccardo has 11 years of experience within TÜV SÜD in the areas of environmental sustainability, carbon emissions, energy and environmental management systems,

He is now responsible for consultancy projects in the field of environmental sustainability and, more in general, in the context of CSR. He has also competencies in the field of international cooperation for sustainable development, with project experience in over 20 countries in Africa, Asia, and South America. He is qualified as a lead audito for ISO 50001 and ISO 14001 as well for other sustainability-related proprietary standards.

Towards zero-emission cars: the importance of the supply chain.

1. TUV Italy/TUV SUD – brief introduction
2. Concept and meaning of Lifecycle emissions (LCE / Carbon Footprint)
3. Carbon footprint of traditional internal combustion vehicles (ICEV): determining, throughout the different life cycle phases, the overall carbon footprint (Logistics, production/assembly, fuel supply and tailpipe emissions, material production, end of life)
4. Electric mobility and carbon footprint (EV): the importance of the supply chain
5. Carrying out a Carbon Footprint study (what it means in practice)
6. Risks and opportunities