



European Research & Innovation Project
Innovative climate-control system to extend range of electric vehicles and improve comfort

Interview with **Dr Fausto LENTINI**

New Products and Materials Researcher
at GVS S.P.A., Italy



Dr Fausto LENTINI

is an expert in filtration media and in automotive filters. Involved in the frame of XERIC, he is now assembling the 3F-CMC.

"XERIC is particularly interesting because it is a Green project"



Can you please tell us a little bit about yourself?

Yes, with pleasure! You already know my name. I'm forty years old and I live with my family in a small town near Bologna, but I come from Calabria, south of Italy. I graduated in materials science from the University of Calabria of Cosenza (UNICAL). I did my PhD thesis at the Institute on Membrane Technology of the National Research Council (ITM-CNR) on synthesis and characterization of organic and inorganic membranes.

I moved to Bologna in September 2006 and started my career at the GVS Company where I am still working in the R&D department as Project Manager. I am basically in charge of projects to develop filters for various key sectors, such as motor vehicles, healthcare or food industries.

What is appealing to you being a researcher? How challenging is it?

From my point of view, the biggest challenge for a researcher is to discover new technologies for the community. To do this, you have to remain curious, determined and sometimes courageous. I really like to work collaboratively to solve problems, developing filters in my actual position. I realize how lucky I am to do what I like for a job, as I think there are only few concrete opportunities for researchers in a context of limited financial capabilities.



What does your daily job look like?

I manage on average 8 projects per year, which include different stages and activities. Generally, once the work plan validated with my boss, I schedule the tasks autonomously. So, I try to mix experimental activities with desk job. In this way, the work is always interesting and all the activities are moving forward.

What excites you in the XERIC project?

XERIC is particularly interesting because it is a "Green project". Its focus is energy saving in electric vehicles, which deserves a round of applause and requires encouragement. I'm proud that GVS gave me the responsibility to manage the prototyping stage of the 3F-CMC.

"I really like to work collaboratively to solve problems, developing filters in my actual position."

What are you expecting from the project?

The main challenge to overcome is to show that, with an innovative system like the 3F-CMC, it is possible to increase the energy saving in electric cars. I hope our positive results would enable us to continue and expand our R&D work on innovative systems to save energy.

Thanks for your time Fausto and all the best for XERIC !

Fausto's skills

Filtration media; automotive filters

GVS, a partner in the XERIC project

GVS is a profitable business to business high-quality and high-volumes filter manufacturing company covering various markets, e.g. automotive but also healthcare, building, active filtration or safety. Started in 1979, it has now offices in major markets and 16 manufacturing sites located worldwide (Italy, UK, Brazil, USA, China, Rumania).

The company has more than 30 years of experience in the automotive business. GVS' automotive products cover all requirements of the market and are supplied worldwide to industry (80% of European cars use at least one filter from GVS). The know-how, resources and core business activities of GVS are directly related to the objective of XERIC. GVS supplies technical expertise and resources adequate to carry out the development and prototype preparation of hydrophobic membranes and membrane contactors (3F-CMC). Furthermore, the anticipated exploitation strategy of the project results fits well with the worldwide marketing and commercial capability of the company.

XERIC in brief

XERIC is a European Research & Innovation Project

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Dr. Eng. S. GAETA
GVS spa
Italy

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