

# Virtual predicting tools in CaetanoBus e. Mobility time to market

**Paulo Marques**  
**CaetanoBus**

Early 2010 was when CaetanoBus start, giving the first steps in chassis development and e. Mobility solutions, when almost nobody talks about it. More than 10 years later, CaetanoBus achieve the target of having their own solutions as an OEM, creating platforms for BEV and FCEV that are running worldwide. This was only possible due the proper vision and a big investment on the company, with the correct people, close customers, and strong suppliers, clearly defining a long range Product Development Program betting on a strong product lifecycle, from the negotiation up to the decommissioning.

Nowadays time-to-market is really a success factor and choosing the correct tools and strategies as virtual predicting tools that accelerate and reduce product development costs and time, is what CaetanoBus is looking for with ESI, were Virtual Proving Ground, Energetic Validation and Thermal Validation tools are contributing for better products and less time to market.