



ENGINEERING
DRIVEN
PEOPLE

CT launches the KIRIBATI project, a smart platform to evaluate and monitor electric traction systems

- CT launches KIRIBATI, an R&D project whose final goal is to develop a smart software platform to design axial flux motors and electric traction systems.
- The development of the KIRIBATI *Smart Platform* will represent a significant advance for the sector by providing designers a flexible decision-making tool directed at real behavior and will allow new models to be added, with the consequent economic benefit and design optimization.

Madrid, March 13, 2020,- CT, a leader in providing innovative technological engineering solutions for the entire product life cycle, has launched the KIRIBATI project, whose final goal is to develop a smart software platform to design axial flux motors and electric traction systems, providing an environment in which they can be designed and optimized based on the system data feedback provided to the design and scaling module. Obtaining a DIGITAL TWIN of the complete traction system will provide comprehensive and advanced design capabilities.

This project pursues the development of the KIRIBATI *Smart Platform*, which will consist of advanced design and scaling software for special electric machines and traction systems, including the parameterization of new materials and the evaluation of new topologies and configurations that had never before been considered. It will also allow “real behavior” to be studied through the hardware-in-the-loop (HIL) technique. To achieve this part of the software will be embedded in the hardware, giving rise to the KIRIBATI *Smart Platform*.

This disruptive new tool will allow the sector to digitally transform itself, thereby moving forward to Industry 4.0. With the development of this new solution, CT will significantly advance the sector by providing designers a flexible decision-making tool directed at real behavior, and allowing new models to be added, with the consequent economic benefits and design optimization.

The project is being co-financed by the Spanish Ministry of Energy, Tourism and Digital Agenda within the National Plan for Scientific and Technological Research and Innovation 2017-2020, file number TSI-100909-2019-3.



ENGINEERING
DRIVEN
PEOPLE



About CT

CT provides engineering services in the aeronautical, naval, automotive, rail, energy, industrial plants, architecture and construction sectors. CT covers the entire life cycle of the products, from product design engineering, manufacturing engineering to post-sales support engineering. CT has more than 1,700 employees and a network of offices in Spain, France, Germany, Portugal, the United Kingdom, India and Brazil. CT is a supplier of engineering services in design, manufacturing, assembly and maintenance phases for the civil and military sector. CT is the only Spanish supplier of product engineering (E2S) and manufacturing (ME3S) for Airbus in the world and a preferred supplier of engineering for Navantia. Other relevant works stand out, such as the participation of the CT Architecture division in the La Sagrada Familia project or the Automotive Engineering division in the Medina-Mecca AVE.

For more information:

The CT Engineering Group
Communication Department

dmiancu@ctingenieros.es

+34 91 683 20 30