

The PLMCC is a Franco-South African engineering school which was opened in 2012 at the Cape Peninsula University of Technology (CPUT). Based on the modelling software suite developed by Dassault Systèmes, the training offers students in-depth knowledge of Product Lifecycle Management in many engineering fields.

OVERVIEW

The Product Lifecycle Management Competency Centre is the fifth of this type to be created by the French company Dassault Systèmes and the French Ministry of Education and Research - the others being located in France, India, Brazil and Mexico. Its purpose is to train engineers to be immediately operational upon entry into industries and laboratories after graduation.

The unit is located in the same building as the fully functional French South African Institute of Technology (F'SATI) at the CPUT, supported by the Technology Innovation Agency (TIA) and directed by a French Professor of Mechanical Engineering, Stéphane Bouyé.

AIMS

- Build competencies in the understanding and use of Product Lifecycle Management tools
- Equip historically disadvantaged students with practical and sound theoretical knowledge
- Strengthen the "Industry-Institute" partnership by way of joint product and process development
- Facilitate the implementation of new Franco-South African research collaborations

PRODUCT LIFECYCLE MANAGEMENT

In the manufacturing industry, Product Lifecycle Management (PLM) is the process of managing the entire lifecycle of a product from conception to production through engineering design. Dassault Systèmes, a subsidiary of the Dassault Groups, is specialized in PLM solutions and the production of three-dimensional modelling softwares. The company has developed a new generation of softwares enabling 3D Design, Engineering, Modeling and Simulation.

The training at the PLMCC is focused on the implementation of projects using these Dassault Systèmes products, especially the 3D CAD leading software CATIA. The laboratory also provides cutting-edge production tools to allow students to validate their theoretical results.

STAKEHOLDERS

