

Large scale metrology training model for the Aeronautic Industry

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ABSTRACT

Aircrafts requires advanced manufacturing systems, and include large parts. These manufacturing systems today are based on multiple suppliers located in different countries and continents, intensively using automation, data exchange, new manufacturing technologies. Several national and international initiatives (e.g. Industrie 4.0 in Germany) are oriented to support this effort and development. In the Aeronautic Industry they are an essential tool for the implementation of this concept in modern product engineering and process control; to operate, programme and manage the most advanced measuring systems, highly competent and skilled personnel is required. The present work is describing the framework of the international project “WINGS+ : Geometrical Quality Control and Large Scale Metrology in the Aeronautic Industry”, addressing the training needs of the Aeronautic industry, suggesting innovative training approaches with focus on the competent use of relevant measuring systems. Additional, is it is designed a proposal for a European reference framework of qualifications in Geometrical Quality Control and Large Metrology for Aeronautic Industry.

Keywords: Training; Blended Learning; Large Scale Metrology; Aeronautic Industry; Lifelong learning