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Title of presentation

Detector for high energy physics and gasifier and ICE coupling cooperation examples

Team

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Abstract

In this research, we will present the results obtained using the platform UC-Crowd, showing also the great impact that this solution can have for distance universities and companies. In our case, we are looking for brilliant students to be inserted into an experimental group, composed both by physicists, devoted to the project of a detector for high energy physics, and engineers, devoted to the coupling of an innovative gasifier to a standard Internal Combustion Engine (ICE). The desired physicist figure must have a deep knowledge of 3D simulation, thermal analysis and also a good grade point average. This last condition is required by the Italian Institute of Nuclear physics that is the central company in which the students will be inserted. The desired engineer figure must have a deep knowledge of chemical fuel gas mixtures and internal combustion engine. Thanks to UC-Crowd we immediately reached a huge number of students, not only in Guglielmo Marconi but in the entire created network finding two good candidates just in a couple of days. The physicist student has already been inserted into the group and in the next weeks will spend some weeks both in Geneva and in Chicago. The engineer student has already been inserted into Enertecna and he has solved many issues in the coupling of the gasifier to the ICE. The challenges are still open hoping to find other brilliant students! Concluding, in this paper we will show not only the important results obtained with dedicated challenges but also the impact of this solution for private/public companies and universities.



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