ABSTRACTS

SIMULATION PROCESSES IN COMPANIES USING PLM AND TECNOMATIX PLANT SIMULATION SOFTWARE
(13-18)

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Keywords: PLM, digitalization, Tecnomatix Plant Simulation, simulation processes.

Abstract: This paper aims to demonstrate the use of simulations in the process of improving production processes. With the help of simulations, it is possible to test the efficiency of production in the virtual world, various variants of simulations. The advantage of simulations is the fact that it is possible to make simple and especially cost-effective changes to the production process and thus make it more efficient to the required level. 3D modeling of production halls is already an integral part of improvement. At the same time, this article points out that PLM positively affects the improvement process itself. The final simulation is aimed at improving the production process.

COLLECTION OF PRODUCTION DATA FOR THE POSSIBILITY OF CREATING A SIMULATION MODEL USING RTLS LOCALIZATION TECHNOLOGY
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ABSTRACTS

Keywords: RTLS, localization system, data, simulation

Abstract: This paper deals with the collection of production data using elements of a specific localization technology in real time for later use and subsequent possible verification via the TX Plant simulation software platform. The paper defines terms such as RTLS system and its main parts, topology, coverage and hardware part of localization technology.