INSTYTUT ZARZĄDZANIA
Uniwersytet w Białymstoku

MANAGEMENT
IN ECONOMY 4.0

XXV lat

leadership and vision

DEMONSTRATION STAND DESCRIPTION

1. Exhibitor	D-tech sp. z o.o.
2. Name of demonstration stand	Demonstration of the manufacturing process including authoring solutions for production registration, maintenance department and data analytics.
3. Technology 4.0	Digitalization of production processes
4. Overview photo	
5. Short description	Our products support companies in streamlining their production processes, serving to increase productivity and flexibility during the production process. - MES (Manufacturing Execution System) is a system for recording the production process, it integrates with the company management software (ERP system). The MES solution releases the execution of orders on the basis of a previously planned queue, collects a set of data to calculate the cost of producing a product in a selected period, detects and notifies of downtime on a particular machine. This system is available in both stationary and mobile versions. - CyMMes is a tool for computer support of maintenance management. In the system it is possible to enter machines and then register their repairs. It enables maintenance planning, machine condition monitoring, spare parts warehouse management. The software is available in a stationary version and has a mobile client. - Signal recorder DT-IIOT (Industrial internet of things) is a device designed to record changes in the status of the machine during the production process. It allows to obtain signals of opening and closing the machine door, so it is possible to obtain information about the cycle time. An additional advantage is the collection of information from atmospheric

	conditions such as temperature, vibration level and humidity. These data are directly transported to the database. Moreover, we are able to obtain a lot of information from the production process. ERP system is not able to provide analysis from all areas. Data collection alone does not contribute anything and even generates an additional burden, especially when at the beginning no one has a vision of what can be useful. In order to perform proper data analysis, there is a need for adequate human competence, as well as special applications that support visualization of real-time data from multiple sources. Analytics enables you to: - visualize the data, - recalculation of data - presenting data in different forms (e.g. in the form of reports) - optimization of business processes Reporting system: - Analytics (on Metabase system) is an application for real-time data visualization. Information is taken directly from the database and then it is analysed and presented to the customer in a simple and clear way.