PTCs uses DEXPI to drive digitization

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Major focus of the presentation will be the way how DEXPI can be used to drive digitization.

PTC in its leading and unique position in IoT and Augmented Reality started (working | partnering) with the DEXPI organization in 2017, acting as the IoT platform provider enabling role based use cases in the context of Industrie 4.0.

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Highly flexible and scalable connectivity is one of the main advantages of the Industrial Innovation Platform of PTC. Main Question is how can the DEXP xml-file be used to create an asset structure needed to link it to data from development and operations?

With this contextualized and filtered data, the platform will feed dashboards (PC, tablets or even smartphones) for a variety of roles not only in plant operations, (e.g. Process engineer or Maintenance engineer or Operations controller) but the overall organization. The DEXPI file will lead to the asset structure and the corresponding information (e.g. Specifications / 3D data of components) in divers systems and assign / present it to process responsible with adding real time data. Automated processes getting triggered and workflow capabilities assigning tasks as needed in systems like ERP or MES automatically.

With its innovation platform PTC unlocks the potential of mass data and contextualizes in order to predict behavior of assets and equipment with its analytics capabilities. A better prediction of failures helps to reduce unplanned downtime and to improve the overall equipment effectiveness (predictive maintenance). Furthermore, the link between asset structure and real-time data provides unknown insides of the line condition and anomalies.

To better visualize system data of the asset and augment to real equipment the leading Augmented Reality (AR) capabilities will enable enhanced experiences

PTCs approach is to take existing data where it is created and deliver meaningful and condensed information where needed.