AUCOTEC
Create Synergy – Connect Processes

Press release

Tuesday, 12 September 2017

Engineering in the Cloud

Aucotec at SPS IPC Drives: Cloud and app concept for greater flexibility and safety

At this year's SPS IPC Drives, Aucotec AG is presenting its Cloud concept for the first time. This concept not only enables planning of machines, plants and mobile systems without dedicated server hardware and with the required scalability in the Cloud. Aucotec's cooperative platform, Engineering Base (EB), can also be used on any device, regardless of hardware and client installations. This permits the customers to offer EB in-house as Software as a Service (SaaS).

In this way, Aucotec continues to put even more flexibility into globally-distributed engineering using the most up-to-date technology. Since it is based on the Microsoft Cloud Azure Deutschland operated by T-Systems, the solution also offers the highest possible level of data security.

The apps for the Cloud

As elements of the Cloud concept, apps can be purchased for certain fields of application. They additionally simplify both mobile access to the engineering and mobile data creation for special tasks. The apps are based on HTML5, adapt themselves responsively to any display, and can be used with Android, Windows, iOS or in browsers. The use of Cloud and apps is only possible because of EB's unique architecture, which allows Web-service-based access to the engineering data by means of a separate application server between the database and the client. This so-called Web Communication Server ensures direct, secure access to the desired information with global Web standards.

Tenders and maintenance via app

Two apps are already available for use. One of these is for maintenance. In this case, mobility is decisive. Whether it is an extensive oil refinery, or widely dispersed wind generators: being on-site rapidly AND having all the necessary data to hand without preparation is fundamental to reducing expensive downtime to a minimum. Access from mobile devices to the engineering data accelerates planned servicing as well as action in the case of an emergency.

With EB's Maintenance App, service staff have access from any location to all released plant documents, from P&IDs to worksheets. Frequently they only realise which data they require when they are on-site. Using the app, they can download all the required documents to the mobile device and use it to enter modification information, if necessary also with photographs for documentation. The as-built status of the plant only changes, however, when a design engineer has checked and released the data. In this way, safety and quality remain guaranteed.

The second app supports customer's mobile stocktaking as well as data transfer to EB. The aim is to take information and from it, to derive and offer custom-tailored services or plant extensions.

Aucotec at SPS IPC Drives: Hall 6 Stand 110

Link to the image*:

Aucotec's Engineering Base enables cooperative planning of machines, plants and mobile systems in the Cloud. It can be used regardless of hardware and client installations. (© AUCOTEC AG)

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Aucotec AG has over 30 years of experience in developing engineering software for the entire life cycle of machines, plants and mobile systems. The solutions range from flow diagrams via control and electrical engineering for large-scale plants to modular harness design in the automotive industry. Aucotec software is in use all over the world. In addition to its headquarters in Hanover, Aucotec operates six further sites in Germany as well as subsidiaries in China, South Korea, France, the United Kingdom, Italy, Austria, Poland, Sweden and the US. A global network of partners ensures local support throughout the world.