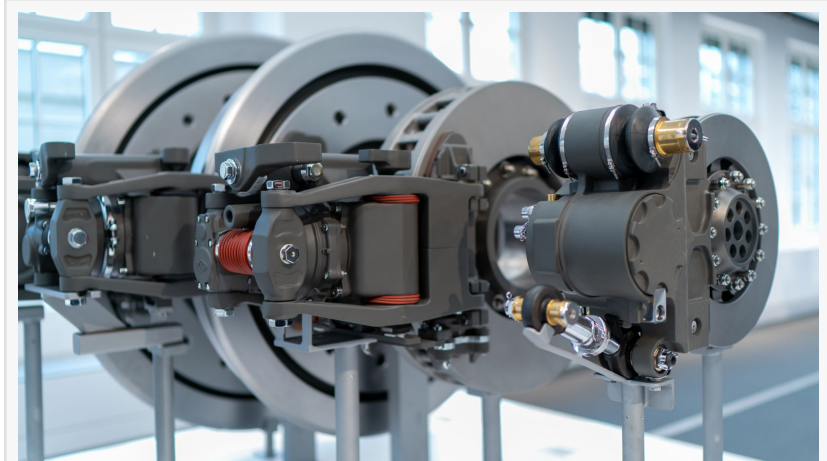


Brake Experts Focus on Acceleration

Knorr-Bremse opts for networked, modular engineering with Aucotec

TROY, MI, USA, March 15, 2022

[/EINPresswire.com/](https://www.einpresswire.com/) -- [Knorr-Bremse](https://www.knorr-bremse.com/), the world market leader for braking systems and other systems for rail and commercial vehicles, is modernizing its systems engineering – and is putting its faith in the Engineering Base (EB) platform from Germany-located and globally operating software developer [Aucotec](https://www.aucotec.com/). It is intended to significantly accelerate project processes at Knorr-Bremse Rail Vehicle Systems. The focus



Knorr-Bremse's brake systems now benefit from accelerated development by Aucotec's data-centric platform Engineering Base (EB) | © Knorr-Bremse

is on the project planning of brake systems – one of the core competences of the technology leader with over 115 years of experience – and the creation of system documentation. After its successful implementation, applying the platform in practice is now starting.

“

Initial pilot projects have confirmed our conviction that the various engineering departments can move further together and work more integratively with this solution.”

Matthäus Englbrecht, Vice President Global Brake Systems at Knorr-Bremse

Consistent thanks to "Single Source of Truth"

"The various aspects of project planning have previously not been sufficiently networked on the tool side. EB's library-based approach and consistency are now helping to increase networking," says Matthäus Englbrecht, Vice President Global Brake Systems at Knorr-Bremse. Pneumatic and circuit diagrams as well as BOMs now have a "single source of truth" for all components of the braking system.

"By allowing the various departments involved to all access EB's joint database, their cooperation is also further

improved," says Englbrecht. The cooperative platform replaces two systems at Knorr-Bremse. It covers both the mechanical and the control technology aspects of systems engineering. Pneumatics, electrics and electromechanics are only different views of the same database.

According to Englbrecht, this integration of different areas also helps the platform to increase

data quality and reduce interfaces as well as manual work, possible transmission errors and manual checks. The connection to the Windchill product lifecycle management system used by Knorr-Bremse also supports these benefits beyond the EB system boundary. For example, by automatically making available the work results to all departments along the value chain.

Modularity needs central data
"In addition to the networking capability, it was crucial for us that EB could map the modularity of our brake systems," adds Englbrecht. EB's central library is an important basis for this. "In our decision-making process, we took a close look at the market and Aucotec's references," continues the division manager. "Initial pilot projects have confirmed our conviction that the various engineering departments can move further together and work more integratively with this solution. For this, we are working with Aucotec to further improve the integration of EB into our processes and Windchill."

"Important pillars for Industry 4.0"

For Aucotec, an independent software developer for over 35 years and one that has grown considerably in recent years, the collaboration with Knorr-Bremse is an important confirmation: "EB's concept of networking and modularization meets modern engineering requirements exactly. Both are important pillars for Industry 4.0 and future-oriented efficiency. We are therefore very pleased to have convinced such an innovative, successful company," explains Uwe Vogt, Member of Aucotec AG Management Board.

Dr. Pouria Bigvand

AUCOTEC Inc.

+1 669-300-8042

pouria.bigvand@aucotec.com



Matthäus Englbrecht, Vice President Global Brake Systems at Knorr-Bremse



Uwe Vogt, member of Aucotec's management board

This press release can be viewed online at: <https://www.einpresswire.com/article/565522990>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2022 IPD Group, Inc. All Right Reserved.