

# From the Pipe Mill to the TEDx Stage: TPS Demonstrates AI in Action

*How artificial intelligence can already be successfully applied in industry today was demonstrated by Dr. Alfons Böhm and Achim Wendels at TEDx Berlin on June 8 and 9.*

Speaking on the topic **“AI in the Old Economy – Why getting started is often difficult today, but essential for survival,”** they shared insights into the implementation of AI applications at TPS-Technitube Röhrenwerke GmbH and the challenges companies must overcome when introducing new technologies.

A key focus of the presentation was the AI-supported endoscopic inspection of stainless steel tubes. A particular highlight of the event was the live demonstration presented by Mr. Wendels (Head of AI, Processes and Digitalization), showcasing an AI-assisted application for inspecting the internal surface of tubes. Using real inspection footage, he demonstrated how modern image processing and artificial intelligence can reliably detect and evaluate even the smallest irregularities and material defects inside stainless steel tubes while also reducing the workload for employees.

As the only live demonstration on stage during the two-day TEDx Berlin event, the presentation gave participants a first-hand experience of how AI is already being used in industrial quality assurance processes today. The audience response was exceptionally positive and led to numerous technical discussions afterward.

The tube endoscopy solution presented is just one example of how TPS is leveraging artificial intelligence. The company already uses AI across a variety of business areas and continues to expand and further develop its applications.

“For us, AI is no longer a topic for the future—it is already part of our daily operations. What matters is not the technology alone, but the willingness and courage to consistently explore new solutions, integrate them into existing processes, and create real added value,” said Dr. Böhm.

The many conversations during and after the event highlighted the strong interest among small and medium-sized enterprises in proven, practical AI solutions. At the same time, it became clear that the biggest hurdles are often not technological, but organizational: successfully integrating AI into established processes and structures.

For TPS, TEDx Berlin was a valuable opportunity to share experiences and engage with companies that are likewise working to successfully bring artificial intelligence into real-world industrial practice.



Alexander Vogel (Interviewer), Dr. Alfons Böhm, Achim Wendels  
(from left to right)

