



Voice control for maintenance

"Handsfree", as directly via voice input

Increased safety for test engineers

Available offline

Understands despite background noise



Maintenance-ASSISTANT

More efficient and safe bridge maintenance thanks to precise speech recognition

Inspection engineers often face challenges in their work that affect their efficiency and safety. The safety risks are particularly significant during inspections and maintenance work on bridges with traffic and at higher levels. At the same time, time-consuming and error-prone logging processes require repeated interruptions to work, which further impairs productivity.

This is where the KENBUN maintenance assistant can help.

Our speech recognition software offers an efficient solution to these challenges. Using speech, inspection engineers can easily create condition reports without using their hands. This significantly minimizes the safety risk during maintenance work at height, which offers a significant advantage for the inspectors. Operation is simple and intuitive with voice control to maximize safety and efficiency during inspections and maintenance. The system is available offline, without an internet connection, on the end device.

The Test

In cooperation with the Landesbetrieb Mobilität Rheinland-Pfalz (LBM), we tested our AI voice-based technology in Koblenz under challenging conditions with strong and changing noise environments to check how precisely the spoken word is understood.



Precise speech recognition despite background noise - reliable even offline

With our easy-to-integrate speech kit KIDOU, which includes a wide range of AI components for speech and text processing, our voice assistants overcome challenges such as accurate speech recognition in noisy environments and for use cases where no network may be available.

We develop your customized voice assistant!



Offline voice assistance

We offer voice assistance systems that work without an internet connection for use cases where no network may be available (e.g. no Wi-Fi, dead spots or crisis situations) or in situations where data must remain local.



On-premises voice assistance

Maximum data protection, maximum protection of intellectual property (IP), ideal for authorities and sensitive data. Speech recognition takes place "on-premises" in your data center.



Cloud voice assistance

Uncomplicated setup, effortless operation, simple model updates, no need for dedicated resources to operate voice assistance, lower battery consumption on the end device and the option of seamless integration into the cloud for optimum performance.



Customized language assistance

Our voice assistants are designed to accurately recognize and understand technical terms in specific domains, regional dialects and environments with a lot of background noise.