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IDA
Intelligent Digital Assistance for Digital Diagnostics

IDA is your intelligent digital assistance (AI) for the analysis of image and video data. IDA supports you with automated detections and helps you to gain new insights into your daily work in order to make well-founded decisions. IDA understands image and video data, interacts user-centered, learns 24/7 and informs about detected states.

Your challenge
Nowadays cameras are used almost everywhere. No matter whether in the regional trains, the suburban trains, at the stations, in maintenance works or with the use of drones. The art is to extract the really important information from the mass of images. This is exactly where vsion.ai with IDA comes in for digital reporting.

IDA's expertise lies in the assessment of rail-specific assets/areas:
▮ draught exteriors
▮ train interior
▮ track infrastructure

IDA currently supports this with a focus on automation and standardization of maintenance. In concrete terms, IDA supports railway employees in early and optimal fault detection, including predictive maintenance.

Our solution
E2E support for digital diagnostic reporting
▮ Sensors
▮ Data management
▮ Diagnosis by AI
▮ Report and data visualization

▮ **More efficient thanks to high level of automation**
▮ **Focusing on the essential through targeted reporting of events**
▮ **Support of the employees in the reporting process**

The benefits for you:
▮ E2E support for digital diagnostic reporting
▮ IDA is at your side from the provision of sensor technology to reporting, data storage and data visualization.
▮ Use of unstructured data
  - IDA identifies and processes important insights, patterns and relationships from images and videos.
▮ Better decisions based on real-time analysis
  - Gain valuable insights from analyses in real time and integrate them into your daily work routine

What we offer
▮ Generation of image and video material by providing sensor technology
▮ Potential analysis of images and videos
▮ Image and video analysis platform for data preparation, data analysis (segmentation, classification and others) on AI basis
▮ Self-learning systems enable continuous optimization of the algorithms
▮ Integration and safeguarding of railway know-how for automated, standardized and efficient decision-making
▮ Combination of open-source, research and commercial providers
▮ Integration into your procedure/your application, also mobile
▮ API-based service delivery

VSION AI
Analysing Visual Data

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