Insights

The web-based platform Insights enables digital asset management and rapid access to relevant information. Structured and interlinked information, analysis and dashboards help to perfect strategies and make decisions.
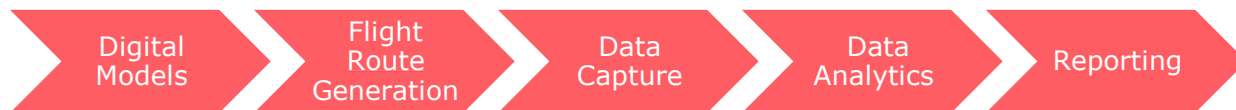
An inspection generates a large amount of data that needs to be processed. Dozens of images are taken by drones for each pylon. The images also contain valuable information about the condition of the inspected infrastructure. The challenge is to structure these images so that they can be used for further analysis. Questions such as which asset the images belong to and which pylon is shown in which location have to be answered as part of the data analysis.

Manage assets digital

The Insights online platform allows you to manage digital assets and access relevant information.

Insights provides an overview of the inspections carried out as well as condition and damage analyses of the assets. Damage can be filtered and viewed in detail on high-resolution images using a zoom function. Automated report generation and AI-based damage analysis accelerate the inspection process and improve the quality of the inspection.

Process for automated inspection

Digital Models → Flight Route Generation → Data Capture → Data Analytics → Reporting

Automating the inspection process

Critical infrastructures such as high-voltage lines, railway lines and power plants face major challenges in terms of operation and maintenance. Many lines need to be renewed, the networks are under greater strain, and it is difficult to switch off for maintenance work. Inspections by helicopter, ground inspections or ascents are costly and labour-intensive and harbour risks for employees.

With automated inspections, we offer operators of critical infrastructure a proven alternative. Our artificial intelligence (AI)-based software for collecting and analysing data offers enormous advantages.

The high degree of automation ensures that maintenance budgets are used in the right places and supply security is increased.

Your benefits

– Automated process
– Standardised data
– Repeatable inspections
– Precise flight routes

Who we address

Our services are aimed at electricity grid operators and companies that provide inspection services to electricity grid operators.

What we deliver

Our LINIAair, LINIApower and Insights software tools are revolutionising the way assets are monitored and maintained. By using drones, even in hard-to-reach places and during operations - quickly, safely and reliably.

Software: Our LINIApower and Insights platforms and LINIAair drone software are available as Software-as-a-Service (SaaS) solutions.

Services: Our services cover all steps of automated inspection - from flight route generation and drone flights, including obtaining the necessary flight permits, to data analysis and reporting.

Modularity: Our services have a modular structure and can be tailored to meet your specific requirements. For example, you can purchase the drone software including flight routes and carry out the drone flights and data analyses yourself. Or, if required, you can purchase the end-to-end service.

Want to know more?

Get in touch with us and benefit from our years of experience and expertise. We are a strong, interdisciplinary team of application, engineering, data science and software development experts.

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