A new dimension in Blade Inspection
All-In-One Blade Inspection with Drones

- Automated Visual Inspection
- Non-contact lightning protector test
- Highly accurate damage assessment
• Autonomous flight

• Realtime waypoint generation

• Reproducible flights

• 360° coverage of blades

• Reproducible data

• Automatic accurate placing of highres pictures on 3D blades

• Centimeter-Level RTK Accuracy combined with High Accuracy Heading
Bitmanagement’s technology fuses CAD, GIS and IoT for multi-dimensional visualization fusing virtual & real multi-level manipulation of everything, system & operation. Multi-user access based on role and rights system.

Digital Workflow

Sensor Data → Flight Routes

Automatic Flight (patent pending)
360° Blade Scan

Administration Database Globally Accessable

Realtime Reports Damage Visualisation

Service Teams
Internal Experts
Engineers
Operating Companies

Realtime Visual Communication creates Transparency
360 degree blade view

Positioned viewpoints

Fully Stiched 3D model

Automated Report Generation

Color Coding Inspection Results

Inspection Software

High resolution

Image details

Inspection Software

Fully Stiched 3D model

Positioned viewpoints

High resolution

Automated Report Generation

Color Coding Inspection Results

Inspection Software
The electric field is always upright to metal. This fact enables the analysis of direction and intensity of the electric field and can prove the existence of an intact earth connection safely.
Autonomous Flight of Drone at very close waypoints
Highest Details Revealed

up to 1/100 milimeter resolution
Thank you!
Let’s lift blade inspection to a new dimension!

Substantial Time Saving by Digital Inspection

Substantial Cost Savings by
• Qualified data
• Digital reports
• Easy Workflow