

JUST INSPECT

3D*X*TM

Blade Platform



MONITOR AND ANALYZE THE
CONDITION OF YOUR BLADES

SULZER *X* SCHMID



About us

Founded in 2016 by Tom Sulzer and Christof Schmid, Sulzer Schmid is an independent Swiss technology company and innovator of next-generation UAV technology for the wind industry. Our 3DX™ Blade Platform provides an end-to-end solution that integrates every aspect of the rotor blade inspection in one place and offers a fully transparent view of the blade health status of the entire fleet.

On paper, we are a team of software developers, electronic engineers, project managers, operations experts and more. In reality, we are entrepreneurs, problem solvers, inventors, makers, testers, code crackers and customer satisfaction managers etc. We love making difficult things work and we are passionate about providing the best technology on the market for rotor blade inspections.

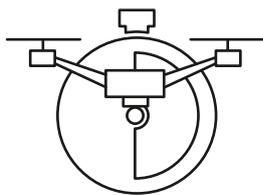
Our agile approach ensures close collaboration with customers and service partners on all continents. With GW inspections carried out in more than 30 countries, our 3DX™ Blade Platform produces high-quality, repeatable inspection results with the precision of a Swiss watch, and our sophisticated analytics tools help our customers future proof their O&M strategy by basing decisions on comprehensive data.



Quality, consistency and repeatability

Our autonomous UAV inspections cover 100% of the blade and provide accurate and repeatable inspection data with a turbine downtime of only 30 minutes. Pilots are trained in ½ day and our 3DX™ Blade Platform ensures a smooth process from planning and execution to reporting and analytics.

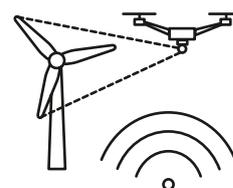
We work with local teams around the world, but you can also use your own inspection teams and just utilize our 3DX™ Blade Platform for inspection, data processing and analytics, giving you complete flexibility.



<30 Min
downtime/turbine



1/2 day
Training



Autonomous
flight



Your digital journey

Knowing the health of your blades plays a vital role in developing an efficient O&M strategy, and our autonomous drones provide repeatable, high-quality inspection data covering 100% of the blade.

Our 3DX™ Blade Platform marks the start of a digital journey, building up a life-time record of your blades and turbines, thus providing an overview of the status of an entire wind farm fleet. Each successive inspection builds up the data treasure and the more inspections that are carried out the more valuable the insights. Our powerful cloud-based software allows you to drill down and filter out any given aspect of the data enabling you to analyse specific areas of interest. Thanks to the browser-based interface, the data can be accessed from anywhere in the world.

The monitoring of damage progression and intelligent analysis of data provides a dynamic insight into damage patterns, enables you to better plan and budget repairs and lays the foundation for predictive maintenance.

The 3DX™ Blade Platform

Our collaborative and cloud-based 3DX™ Blade Platform is at the core of our digital end-to-end process and integrates every aspect of the rotor blade inspection in one place. It offers a fully transparent view of the blade health status of the entire fleet and stands out for being completely flexible and adaptable to suit your needs. Powerful analytics functionalities allow you get the most out of your data and our team will go the extra mile to help you achieve your goals.

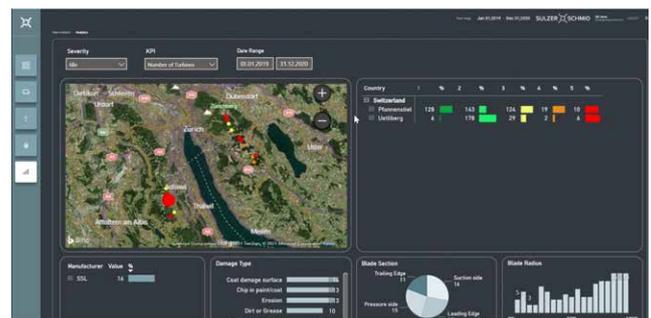
DATA PROCESSING

3DX™ is an open platform and can handle any kind of inspection results. Capture visual blade data using our fully autonomous drones or other visual inspection methods, process the images and generate highly customizable and interactive reports at a push of a button. Our data process is AI driven and speeds up the work of the blade experts who can deliver the final report within only 2 days from inspection.



DATA ANALYTICS

With our powerful integrated analytics tool you turn data into actionable insights. Access inspection data on turbine, site and fleet level through interactive dashboards and track damages and improve blade performance over time. Share findings internally and externally via secure links and optimize the planning and budgeting of repair campaigns. By monitoring damage progression over time you lay the foundation for predictive maintenance.



The 3DX™ Blade Platform is very helpful when it comes to determining if a repair is necessary. Questions from management or customers about the necessity of a certain repair are now a lot easier to answer.”

*Lean Frandsen, Technical Planner,
Special Task Nordic, Vestas Northern – Central Europe*

Taking blade inspections to the next level

By watching these short videos you will get a good overview of our process and the benefits with our 3DX™ Blade Platform. Simply click on the image to watch.

DATA CAPTURE



DATA ANALYTICS

