



Case Study

Hail damage dent and buckle check with dentCHECK during aircraft phase-out



About Condor

Condor is Germany's most popular leisure airline, flying guests to the world's most beautiful holiday destinations and exciting cities since 1956.

With departures from several airports across Germany, Condor offers flights to around 90 destinations worldwide. The airline operates a fleet of approximately 60 aircraft, all maintained to the highest safety standards by its own maintenance operation, Condor Technik GmbH, located in Frankfurt and Dusseldorf.

Challenge

Condor recently renewed its complete long-haul fleet and therefore phased out the entire Boeing 767 fleet. During the phase out process of the last B767, an AOG-level hail damage dent mapping inspection was urgently required before returning it to the lessor. With time constraints in mind, the Condor team actively pursued innovative technologies to expedite the inspection process while maintaining the highest quality standards.



"Simply based on the time benefit, as the traditional method would have required much more time and involved more manpower, Condor has chosen dentCHECK to complete this inspection as quickly as possible due to time constraints."

— Jan-Phillip Bruckert, Head of Aircraft Transition Management at Condor

Solution

AMROS Global, in collaboration with 8tree's engineering team, mapped the damage and created SRM-compliant reports, using dentCHECK. The entire process was completed **in 3 days**.

dentCHECK has demonstrated its significant value not only in routine maintenance but also in urgent AOG projects.

Results



"Using the traditional method would have required approximately 10 days for accomplishment."

— Jan-Phillip Bruckert, Head of Aircraft Transition Management at Condor



70% time-saving

dentCHECK-as-a-Service –
Job completed in three days



SRM-compliant reports

Ready-to-use OEM-accepted
reports for each surface defect



Why dentCHECK 3D Dent-Mapping by AMROS Global & 8tree?

With dentCHECK, we provide never seen before structural inspection services, revolutionizing the way we perceive quality in measurement, analysis and reporting of structural damages on aircraft of all types. **dentCHECK is accepted by all major OEMs.** ~150 systems used daily across 4-dozen cargo, commercial, business, and military operators. Compared to traditional methods, dentCHECK is:

- **20x more consistent depth measurement**
- **13x more consistent width measurement**
- **48x faster inspection time**

With AMROS Global's **16 years of experience** in the aviation industry and **over 700 aircraft transitions completed** for airlines, lessors, and private entities, we have identified the challenges and bottlenecks when it comes to structural damages.

expect more.

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