

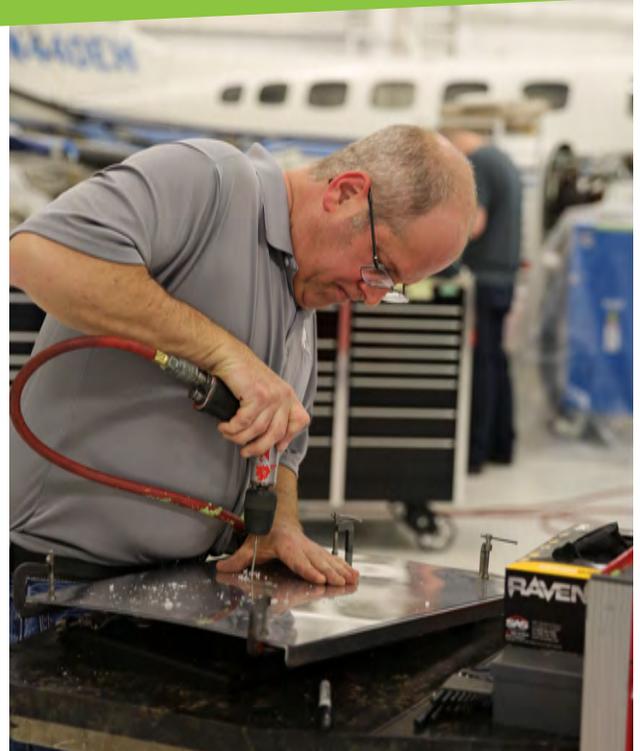
Surdex's In-House Aircraft Maintenance Crew Keeps Us Flying

Surdex owns and operates 11 aircraft that we rely on for timely acquisition of our clients' project data. The success of our flight department is dependent upon the behind-the-scenes work of our aircraft maintenance crew, who ensure our aircraft are in airworthy condition and up-to-date on mandatory FAA inspections as well as scheduled maintenance. Their work ranges from deep window cleaning to engine repairs and oil changes. Having our own maintenance department enables us to maximize uptime, minimize repair wait times, and remove reliance on third party maintenance companies.

The diversity of experience of our mechanics allows us to perform high quality workmanship on our fleet. Each of our mechanics has 25 years or more of experience working in the aviation community. The Director of Maintenance and Chief Pilot coordinate closely to schedule maintenance events during normal work hours to maximize safety management procedures. However, from time to time they do work extended hours to ensure our aircraft are safe and in the air collecting data.

In addition to performing the routine tasks (see the table to right), our maintenance crew often faces new challenges and comes up with creative solutions to address them. For example, they created a steel lifting arm that mounts to a hoist to list our heavy DMC frame imagery sensors into the aircraft. This innovation reduced the number of times door cables and cylinders were broken during sensor installation, thereby reducing costs.

Our aircraft maintenance crew is a critical part of our team, enabling us to provide our clients with their data on schedule while ensuring the safety of our flight crew.



Routine Aircraft Maintenance Tasks

- Raw lidar point cloud
- Annual inspections on piston aircraft
- 50-hour oil changes on piston aircraft
- Reoccurring Airworthiness Inspections
- Conquest 441 – Supplemental Documents Inspections (SID)
- Conquest 100-hour inspections
- Conquest 600-hour D inspections
- Corrosion Control on all aircraft



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surdex.com • 636-368-4400 • info@surdex.com