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170°C High Altitude Exhaust Stack Inspection

Current Method

Cost: \$85,000

Time: 3 days

Shutdown Required

The previous inspection was completed 3 years prior with conventional methods. This required the use of a crane with a man basket. The technician then rappelled from the man basket to access all areas of the stack. This took 3 days to complete factoring in setup and execution.

Skygauge Method

Cost: \$15,000

Time: 2 days

Completed in Service

Removing the need for crane setup saved the company over \$20,000/day in crane rental costs. A team of 2 pilots was able to complete the same scope of work in under 2 days while the stack was in service.





600 readings completed inside of 3 sunflower silos

Manned Inspection

Cost: \$112,000

Time: 1 month

Scaffolding required for internal inspection of the silo UT inspection. Client needed to assemble scaffolding inside the tank for the previous inspection. This took 2 weeks for setup, 3 days for inspection, and 2 weeks for teardown.

Skygauge Inspection

Cost: \$18,000

Time: 2 days

Removing the need for scaffolding saved the company time and made the inspection more cost effective. A team of two technicians were able to complete over 600 readings in 2 days. Eliminating the need for scaffolding reduced the cost and time to complete the job.





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240 readings captured on roof of facility

**Not possible with
conventional methods**

Skygauge Inspection

Cost: \$15,000

Time: 2 days

The Skygauge was able to perform readings not possible with conventional methods. The location presented challenges such as dust and 50°C ambient temperature due to operating equipment. Despite these challenges the Skygauge was able to completed the inspection without issue.





300 readings along 50m overhead pipe

Manned Inspection

Cost: \$63,000

Time: 10 days

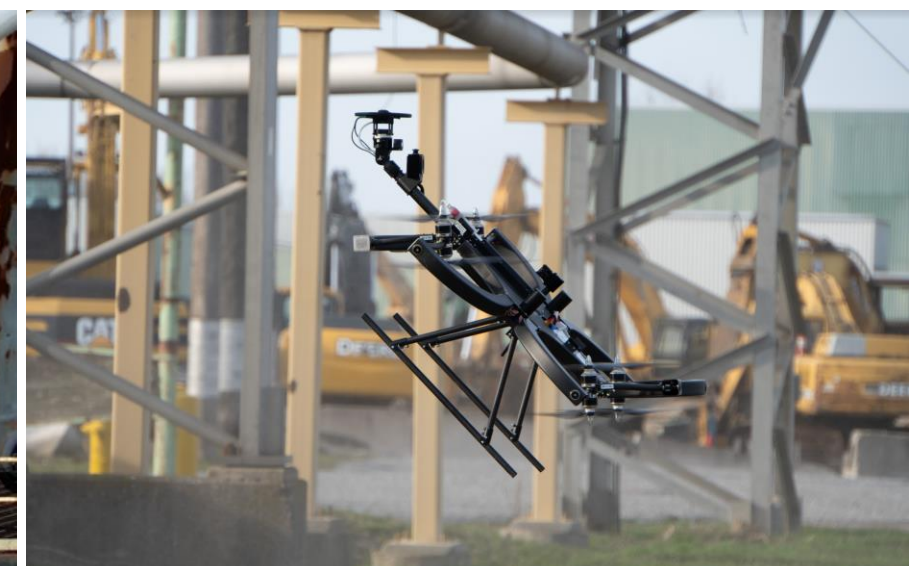
Required a combination of scaffolding and manlift to complete the work. Several locations caused challenges and required scaffolding assembly during previous inspection. This caused delays when completing the inspection.

Skygauge Inspection

Cost: \$7,000

Time: 1 day

The Skygauge was able to complete the scope of work within 1 day during a plant shutdown. With minimal time and cost the Skygauge was able to access all areas of the pipe and complete the scope of work.





Weyerhaeuser

500 readings on in service duct and cyclones

Current Method

Cost: \$356,000

Time: 1 month

Shutdown Required

Client receive a quote that made the inspection prohibitively expensive. The elevated structures in the facility made inspection with conventional methods an impractical option. Scope would need to be drastically reduced to fit within budget.

Skygauge Method

Cost: \$28,000

Time: 4 days

Completed in Service

Client was able to collect data in all their desired locations by using the Skygauge.

