



The Quick Read

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Celebrating the 100th CFM56 engine redelivery to Alaska Airlines



More than just a number, ST Engineering’s 100th redelivery of the CFM56 engine to Alaska Airlines marks a decade-long partnership founded on trust and a shared commitment to the highest standards in engine maintenance. We take pride in providing nose-to-tail maintenance care for a growing list of aircraft types.

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Our U.S. airframe facility completes its first A321 Passenger-to-Freighter conversion



To meet the rising demand for freighter conversions, ST Engineering has set up new modification sites worldwide. In a key milestone for our expanding operations, one of these sites at our airframe facility in San Antonio, U.S., has completed its first A321 Passenger-to-Freighter conversion and carried out flight testing for the aircraft.

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Featured Article

Greater automation, higher productivity for engine shopfloors

by Zac Xiao (Engineering & CI Director, STATCO)

Maintaining the status quo while waiting for new turnkey solutions that can be readily incorporated into existing work processes may help keep costs low in the short run. ST Engineering Aerospace Technologies (Xiamen) Company Limited (STATCO), our engine MRO unit in China, instead opted for a more ambitious solution to drive productivity and efficiency.

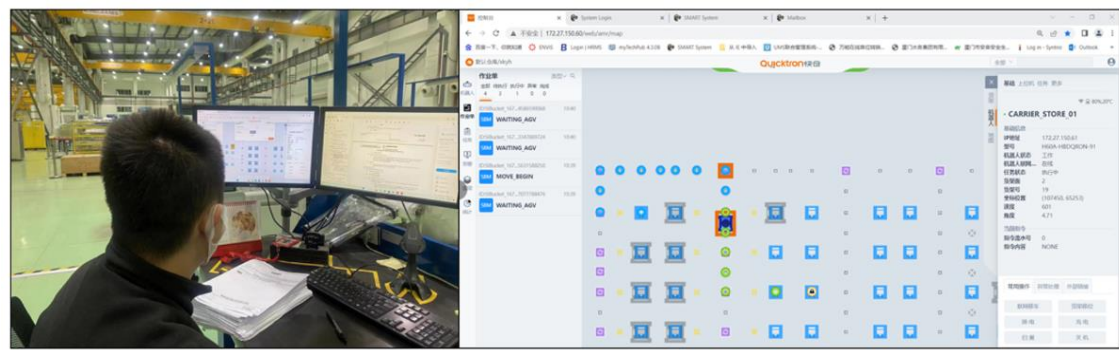
In March 2022, in tandem with continuous improvement efforts by the engine MRO unit in Singapore, STATCO deployed two Automatic Guided Vehicles (AGVs) at the workshop to supplant manual point-to-point transportation. In 10 months, these AGVs travelled nearly 4,000 km on the shopfloor – they are expected to save at least 1,600 man-hours annually, equivalent to the time taken to service 40 engines.



No humans needed! Automated transport of goods using AGVs

Various training methods ranging from classroom lessons to open feedback sessions were used to educate facility technicians and gather feedback on issues faced during operations. As a result, usage of the AGVs by technicians leapt from 20% to over 95% within a short 4-week span.

Technician Wang Ze He commented, “Previously, we had to spend time in the morning preparing for the materials needed for the work. Now we can arrange for the materials to be delivered to individual stations before the day starts with the help of the AGVs!”



Reimagining our shopfloor layout and planning the transport paths

The AGV system has also helped optimise the facility's shopfloor layout, freeing up additional workshop space for future scaling up of operations. The quick identification of storage areas is also possible with the system's Graphic User Interface, reducing processing time for picking and delivery of items.

Currently, the RFID tagging of individual engine components is being evaluated for live tracking within the workshop. With continuous improvement at the heart of everything that ST Engineering does, we strive to create greater value for our customers through cheaper, better and faster solutions in the increasingly complex MRO landscape!

Have a suggestion? Engage with us [here!](#)

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