Issue 02/2024

The Quick Read

- Expanding Capacity to meet Narrowbody Engine MRO Demand >>
- Shifting into Higher Growth Mode to Meet Market Demands >>
- Contributing to Sustainability with Solar Panel Deployments >>

Expanding capacity to meet narrowbody engine MRO demand

Skills shortages and supply chain constraints pose challenges for the MRO industry in meeting growing needs for engine MRO. To service this wave of narrowbody current and new-generation engines, we are expanding our engine MRO capacity by enlarging our shop floor space, as well as continuously investing in robotics and automation to maximise labour efficiency.

Read More

Shifting into Higher Growth Mode to Meet Market Demands

While taking stock of ongoing trends in aviation, we are focusing on key initiatives as we shift higher into growth mode. These include strengthening our value proposition as a one-stop solution centre with integrated fleet solutions, increasing capacity to meet demand, and fortifying our talent pipeline, to name a few.

Read More

Featured Article

Contributing to Sustainability with Solar Panel Deployments

by Shawn Teo

ST Engineering aims to halve its greenhouse gas emissions by 2030, using its 2010 emissions as a baseline. Our Commercial Aerospace business is contributing to this effort through solar panel installations at its aerospace facilities in Singapore, starting in early 2017.

Solar panels installed atop our hangar facilities in Singapore

With installations at all three of our facilities, we are currently the largest producer of solar energy among aerospace companies in Singapore. The solar panels reduce our annual emissions by around 4,500 metric tons of carbon dioxide equivalent (tCO2e), which is equivalent to the amount of carbon dioxide absorbed by around 204,500 trees annually! In recognition of this feat, we received an Honourable Mention for Excellence in Energy, Greenhouse Gas Management by Singapore's National Environment Agency in 2023.

Solar Panels at EFW's facility in Dresden, Germany.

In Dresden, Germany, the facility of our joint venture Elbe Flugzeugwerke (EFW) now obtains 100 percent of its electricity from renewable sources such as wind or solar. Contributing to this are solar panel systems installed across two hangar roofs, which were locally sourced to minimise the logistical footprint. EFW’s newly built facility in Kodersdorf, Germany, incorporated solar panel systems from the outset. Today, it is looking into adding more solar panels across both facilities.

Solar panels installed atop one of the facilities at San Antonio Aerospace, U.S.

Our sustainability drive also spans across the Atlantic to include our San Antonio Aerospace (SAA) airframe maintenance facility in Texas, U.S. The solar panels on its hangar roofs have reduced emissions by approximately 756 tCO2e annually – equating to the amount of carbon dioxide absorbed by about 34,400 trees in a single year.

Artist Impression of ST Engineering's airframe maintenance facility under development at Singapore Changi Airport

Back in Singapore, our new airframe maintenance facility under development at Singapore Changi Airport will incorporate green and smart technology features, including solar panels, when completed. We are also exploring the use of mobile solar panels to maximise our unutilised land area in Singapore and further reduce our carbon footprint. These solar panel deployments, both locally and globally, highlight our commitment to making our operations more sustainable and contributing to a greener aviation industry.

ST Engineering · 540 Airport Road · Singapore 539938 · Singapore