

# electric green taxiing system

---

**EGTS International, the Joint Venture of Honeywell and Safran will be promoting the benefits of its EGTS taxiing system during the Dubai Air Show 2013.**

The EGTS technology, which was demonstrated to such acclaim during the Paris Air Show earlier this year, enables aircraft to avoid using their engines during taxiing and instead taxi autonomously under their own electrical power.

EGTS will improve airline operating efficiency during taxi operations and cut fuel consumption by up to four per cent per flight cycle.

EGTS will also provide environmental benefits by reducing noise and carbon and nitrogen oxide (NOx) emissions during taxi operations, and will reduce gate and tarmac congestion, improve on-time departure, and allow passengers to deplane faster as a result of smoother ground handling operations.

EGTS continues to gain strong interest from airports and airlines across the Middle East ahead of its expected introduction to the market in 2017.

Because an aircraft's main engines are optimized for flying rather than taxiing, they burn a disproportionate amount of fuel during ground operations. With a short or medium range aircraft spending up to 2.5 hours of its time on taxiways every day, EGTS could save approximately 600kilograms of fuel used during taxiing from being consumed daily – with annual savings of up to US\$250,000 per aircraft per year depending upon the operational parameters, according to Honeywell and Safran estimates.

EGTS allows aircraft to push back autonomously and then taxi between gate and runway without engaging the main engines by using the Auxiliary Power Unit (APU) generator to power electric motors located on the main landing gear (MLG) between the wheels. Each of the EGTS-equipped aircraft's MLG is fitted with a control system, giving pilots total control of the aircraft's speed and direction during electric taxi operations and allowing improved manoeuvring of the A/C.

## Supporting Quotes

Brian Wenig, EGTS Program Vice President, Honeywell Aerospace

“We are delighted to bring the EGTS vision to the Middle East, a region synonymous with aviation innovation. We look forward to constructive conversations with the region's leading airlines and to demonstrating the financial and environmental benefits of our green taxiing technology.”

Olivier Savin, EGTS Program Vice President, Safran

“We are extremely pleased to showcase EGTS at the Dubai Air Show, reinforcing the credibility of our partnership and solution. We have had a number of discussions with Middle East based carriers and we look forward to the further opportunity to demonstrate the multiple benefits that airlines can achieve through EGTS, including concrete cost-savings and significant emissions.”

---

To find out more visit Honeywell (stand 2336) or Safran (stand 1145) during the Dubai Air Show taking place at Dubai World Central between 17th and 21st November 2013.