Air travel is expected to double in the next 20 years. How does aviation take off sustainably? It starts here...

IN THE FACTORY

United Technologies’ aerospace and jet engine businesses strive to manufacture sustainably.

IN THE AIR

The demand for air travel is expected to double in the next 20 years, increasing the number of commercial aircraft in service to approximately 47,000.

Pratt & Whitney Geared Turbofan™ (GTF) Engine

- Reduces fuel burn by 16%
- Reduces NOx emissions by 50%
- Reduces noise footprint by 75%

Collins Aerospace’s nacelle system featuring a 360-degree acoustically smooth inlet helps reduce noise from aircraft powered by engines like Pratt & Whitney’s GTF.

ON THE GROUND

A large airport consumes as much electricity and thermal energy annually as a city of 100,000 people.

Otis Gen2® elevator with ReGen® drive technology reduces energy consumption by as much as 75% under normal operation compared to conventional systems without regenerative technology.

How can airports go green?

- The Carrier AquaEdge® 23XRV chiller is 42% better than the industry efficiency standard.*
- NORESCO has guaranteed more than $3 billion in energy and operating cost savings at more than 7,000 facilities, including aviation.


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