

Rapid retrofit & removal

Fits in existing wheel well space

Powered by the APU



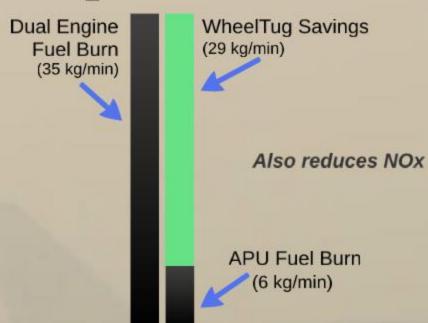
Environmental Impact?

Cuts engine use

Reducing noise and emissions

Saves fuel

CO₂ Emissions



The average taxi is about 16 minutes (excluding engine warm-up and cool-down time)

But not every minute is created equal

High-speed taxi demands high-speed acceleration - you can't hold up the airport



So E-taxi is only for stop-and-go (more than 3 minutes prior to takeoff)

We estimate an average of 8 min of stop-and-go traffic Of course, it comes in clumps

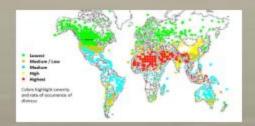
This is 232 kg/flight

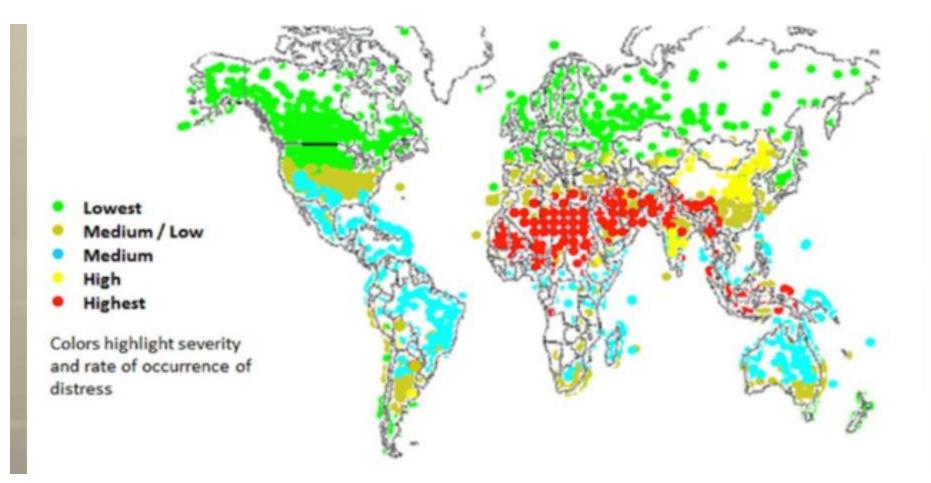
VOX

While taxiing, engines ingest damaging dust and debris.

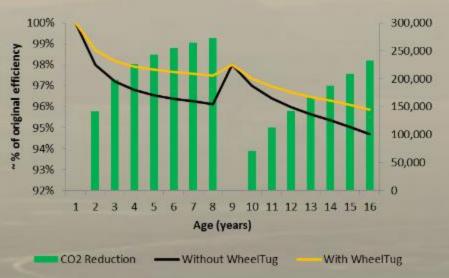
(In the Persian Gulf, engines rated for 38,000 hours between overhauls may last only 13,000 hours)



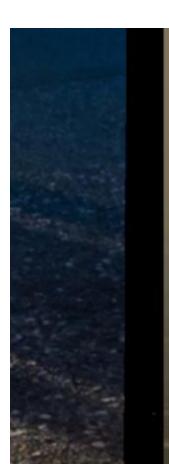




80% of fuel efficiency loss is due to taxi wear



And the vast majority occurs below 10 knots



But it isn't enough

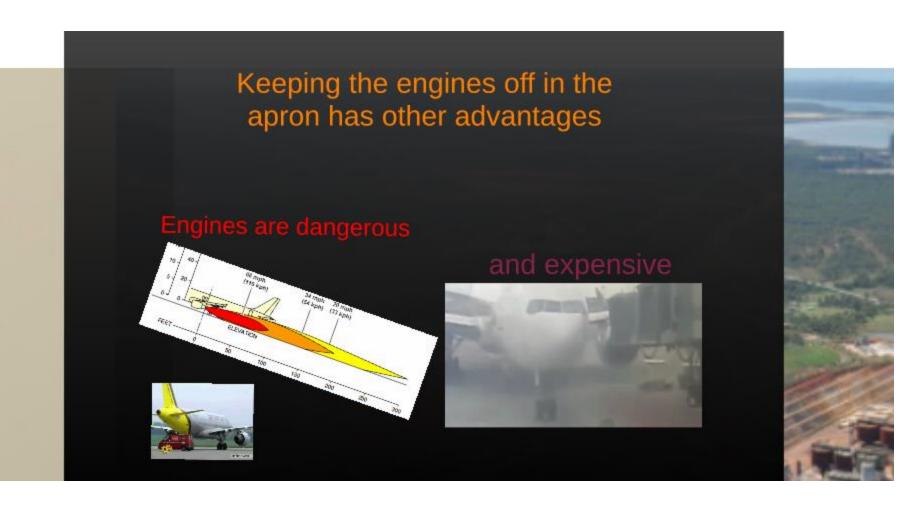
With fuel savings alone, adoption would be limited

But E-Taxi can offer so much more

Fue

While taxling, er damaging dust :

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With WheelTug

- There is no jet blast
- Aircraft can turn tighter than with tugs or engines

We can do the Twist

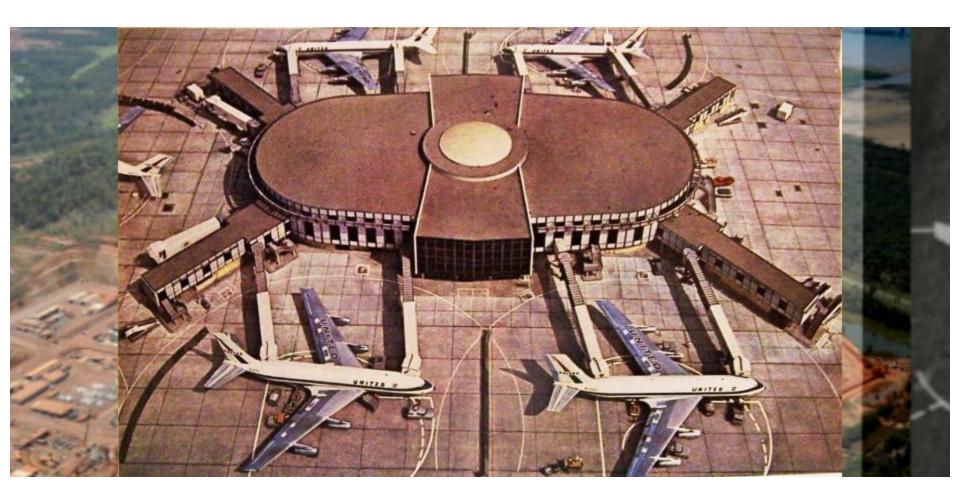




The Twist

- · Raises airport throughput
- Improves ramp safety
- · Improves the passenger experience
- Helps airlines and airports do more with what they already have

Everybody benefits







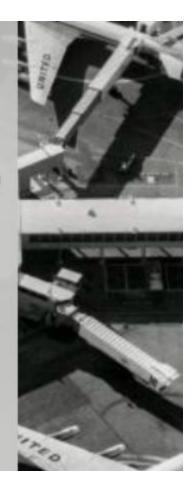
The Twist and Twirl will provide significant savings

They will unlock major environmental benefits (which the public can see)

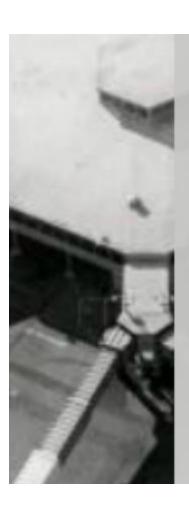
While increasing airport throughput

Procedure changes will be necessary...

But they aren't entirely new.

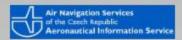


















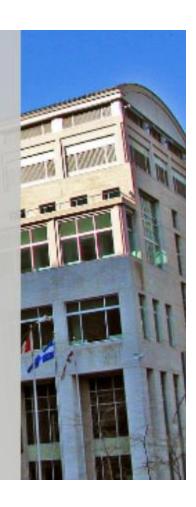
ICAO is key:

Encourage and promote cooperation among stakeholders (airlines, airports, ANSPs, OEMs and retrofit technology companies)

Promote cooperation among National Aviation Authorities on multilateral recognition of STCs

Recognize the incredible benefits retrofit technologies can offer.

And further demonstrate its dedication to combating climate change.





DRIVING AEROSPACE

VIVING AEROSPACE



With *existing* backlog, will reduce CO₂ emissions by 350 million kg/yr