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Clean Energy & Mobility at Schiphol



Key figures Amsterdam Airport Schiphol 2018

327
direct
destinations
(329 in 2017)

71.1
million
travellers
(+3.7%)

1.7
million tonnes
of cargo
(-2.5%)

499,444
air transport
movements
(+0.5%)

1.5 billion
revenue (+3.5%)

67,000
jobs on
airport

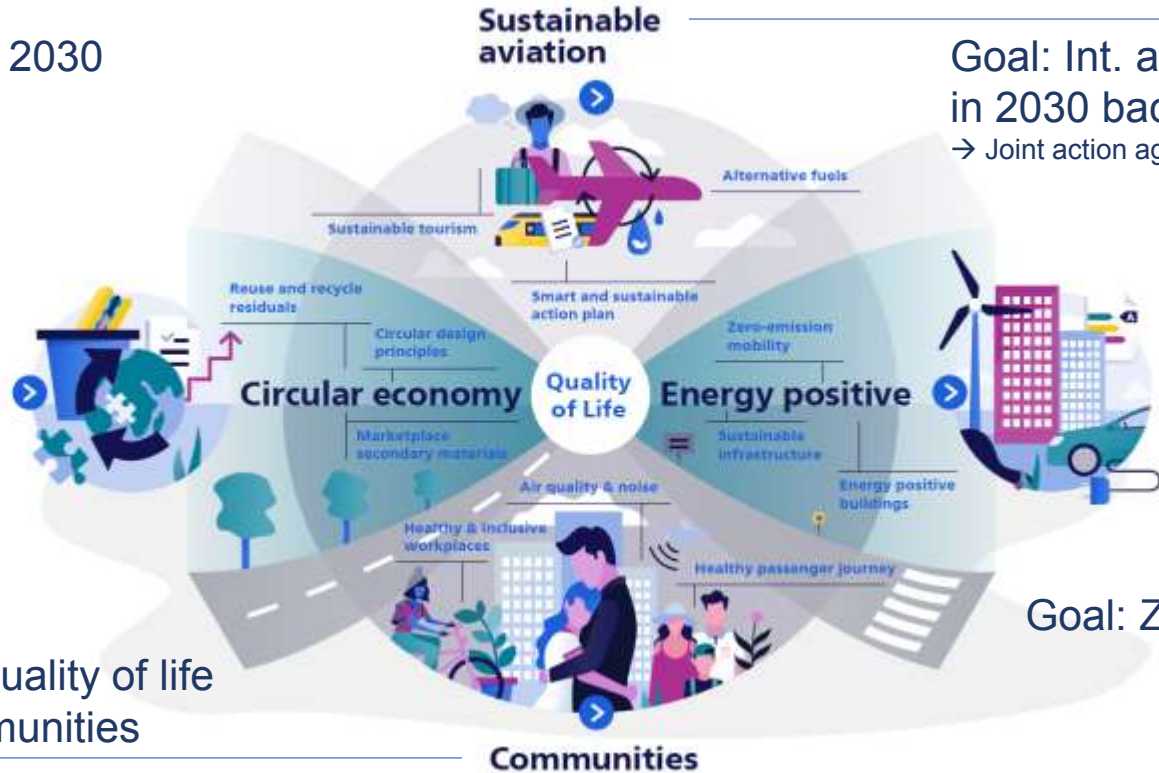


Sustainability Vision



Sustainability Vision

Goal: Zero Waste 2030



Goal: Int. aviation emissions in 2030 back on 2005 level
→ Joint action agenda Smart & Sustainable

Goal: Improving quality of life surrounding communities

Goal: Zero Emission 2030

Sustainability Vision

Our ambition: Schiphol Group is climate-neutral in its own activities and is transitioning towards zero emissions in 2030. Ultimately, we go beyond zero by realising an energy positive property portfolio in 2050.



Landside Mobility



Landside

Zero emission taxis

Tender

- 2013: 167 Tesla's
- 2018: 681 Zero emission taxis



Landside

Public bus transport

Biggest fleet Europe

- 2018: 100 electric buses
- 2021: 258 electric buses



Next steps

Development of mobility

Challenges

- Car sharing
- Autonomous cars
- Charging facilities



Airport city & Energy



Energy efficiency

Trias energetica

Energy neutral buildings

- Renovations & ATES
- 2030: no natural gas

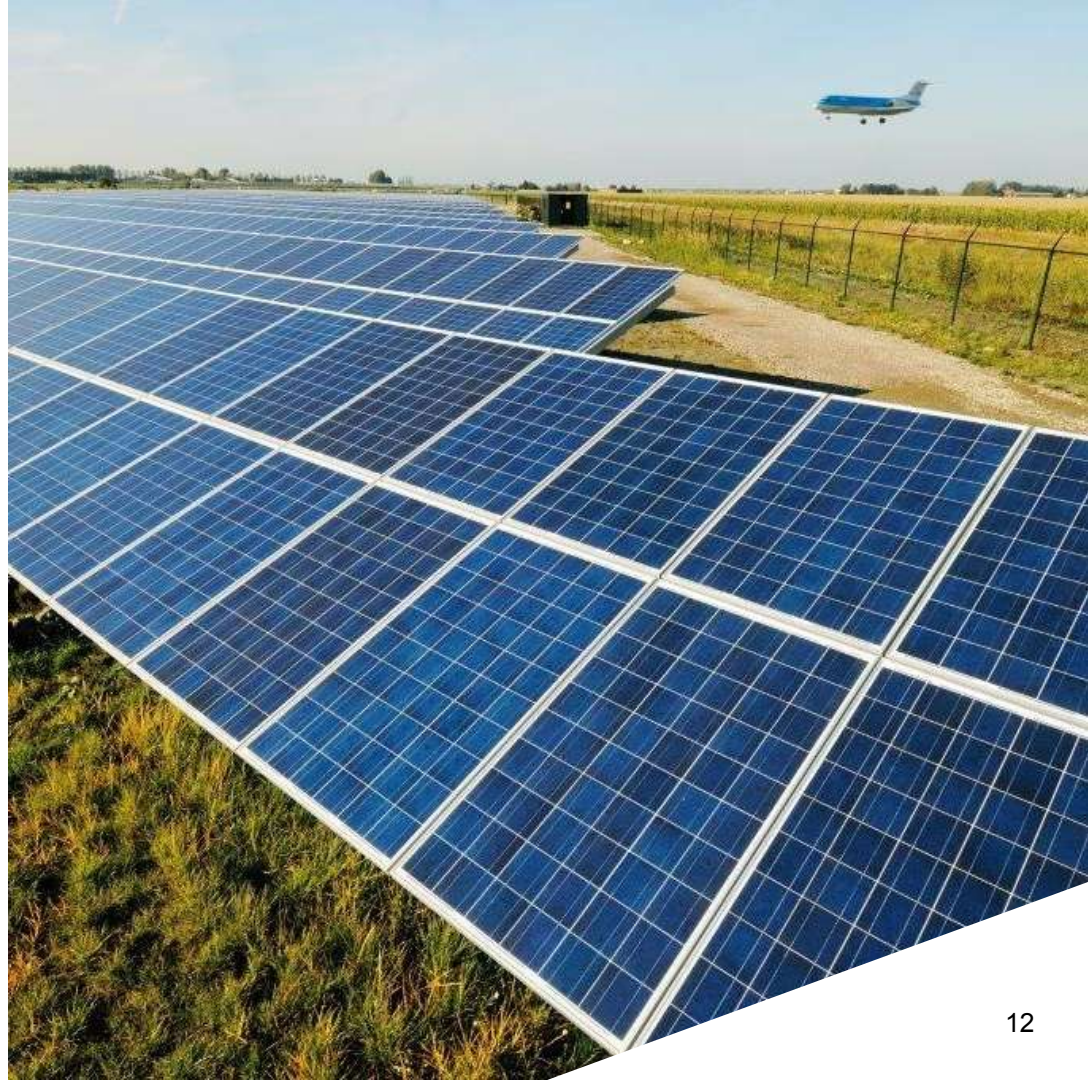


Renewable energy

Today 100% wind power

Increase solar on site

- 200 MW additional wind farms
- Goal for 2030: 17 MWp PV



Next steps

Airport development

Challenges

- Electric grid capacity
- Reduce fossil energy



Airside Operations



Airside

Zero emissions 2030

Airside mobility

- Development electric buses
- Cleaning and greening



Airside

Zero emissions 2030

Ground support equipment

- Pilot E-Ground power unit
- 72% fixed power units



Next steps

Aviation development

Challenges

- Sustainable aviation fuels
- Electric taxing
- Hybrid/electric aviation



Thank you!

