

REGIONAL GREEN AIRPORTS SEMINAR

Hosted by the Ministry of Transport of the Republic of
Uzbekistan



Future-Ready Airports: Sustainability
Through Efficiency and Resilience





George Paschalis

Chief Financial Officer, Hermes Airports Ltd



OPEN TO THE WORLD



Sustainability as a business strategy

SUSTAINABILITY FOR HERMES IS NOT A STANDALONE ENVIRONMENTAL PROGRAMME

THREE STRATEGIC PRESSURES FOR HERMES AIRPORTS

Accommodate increasing passenger growth

Optimise existing
capacity
Decide whether, when
and how to build
additional capacity

Resource and cost constraints

Airports must deliver
more with less
resources, energy, land
and capital

Increasing Resilience requirements

Critical infrastructure
must remain
operational under
changing conditions
(physical risks, network
and data privacy risks
etc)

SUSTAINABILITY SITS AT THE INTERSECTION OF **GROWTH, RESILIENCE AND EFFICIENCY**



Sustainable growth through better capacity utilisation

Growth is not an option, but a necessity, especially for Cyprus

Improving connectivity is a top strategic objective

As an island other transportation options are limited

Tourism is one of the key sectors of the economy



Question is: How do we Manage Passenger Growth?

Initially by optimising processes and improving passenger flow

Subsequently by completely redesigning the initially envisaged Phase 2 works to a changing environment



Sustainable growth through better capacity utilisation

**Current
combined design
capacity of LCA
and PFO at
10,2m pax (7.5m
LCA and 2.7m at
PFO)**

- We exceeded 10.2m pax in 2023. 13.8m pax in 2025
- **FIRST** increased **Operating Capacity** well above the **Initial Design Capacity** with no significant operational issues by optimizing passenger flows through:
 - Improved passenger flow processes
 - Smoothing daily or weekly peaks
 - Improved seasonality
- **SECOND.** Redesigned and reengineered the Phase 2 Works of both airports to **increase the design capacity to 17.4m passengers**, taking us well beyond the end of our current concession

Energy Management and Efficiency

ENERGY EFFICIENCY IS AT THE HEART OF OUR SUSTAINABILITY DRIVE



- Hermes operates under an **ISO 50001 Energy Management System**. This means:
 - Continuous monitoring of energy KPIs
 - Annual energy targets
 - Energy performance governance
 - Continuous improvement initiatives
- We have been able to reduce total energy usage by 25% since 2010, with passenger numbers almost doubling over the same period (energy consumption per pax down by 62%)
- Over 100 energy saving projects implemented since 2010



Energy Management and Efficiency

KEY ENERGY EFFICIENCY MEASURES INCLUDE:

**Terminal lighting
and apron
floodlight
replacement
with LED
technology**

**Replacement of
guidance signs
with more
energy-efficient
equipment**

**Installation of
automation
systems to
optimize
terminal lighting
operation**

**Replacement of
HVAC
equipment with
higher energy-
performance
systems**

This is a continuous process. Objective is to continue reducing consumption by 1% per annum

THE CLEANEST ENERGY IS THE ENERGY WE NEVER CONSUME

Renewable Energy and Reduced Grid Dependence

FROM ENERGY CONSUMER TO ENERGY PRODUCER



Existing photovoltaic installations:

- Larnaca Airport: **3.5 MWp**
- Paphos Airport: **1.1 MWp**

Providing 22% of the airports total needs

Planned additional photovoltaic installations:

- Larnaca Airport: **1.6 MWp**
- Paphos Airport: **1.1 MWp**
- Planning to come into operation in 2027
- Constrained by slow planning process

Further electrification of airport operations

- eGPUs in operation since 2026
- Gradual increase of electrification of Ground Handling vehicles
- Electrification of Hermes vehicle fleet

Our emissions reductions journey

ACI CARBON ACCREDITATION A BIG TOOL SUPPORTING OUR JOURNEY



Level 3+ in 2019



Level 4+ since 2023

Combination of energy efficiency measures and production of clean energy have led to a reduction of Scope 1 and 2 emissions by 85% from the reference year of 2010

- Driving towards 95% reduction by 2030 through:
 - Increase in solar plant capacity
 - Continuing energy efficiency programme
 - Ensuring that any residual energy purchased is green
 - Aim is to continue reducing Scope 3 emissions per passenger

Hermes Net Zero Road Map





Sustainability Through Resilience

RESILIENCE IS A CORE ELEMENT OF SUSTAINABILITY FOR CRITICAL INFRASTRUCTURE OPERATORS

Critical Infrastructure

- Long-term asset renewal plan
- Continuous assessment of critical airport systems

Digital & Cyber Resilience

- Robust IT backbone infrastructure
- Penetration testing and vulnerability assessment
 - SOC Capabilities

Business Continuity

Updated Business Impact Assessment (BIA) Disaster Recovery (DR) and Business Continuity Plans (BCP)

Climate Adaptation

- Anti-flood infrastructure improvements
- Drainage upgrades reflecting changing rainfall patterns



Sustainability at Hermes Means Airports that are:

More efficient

More energy
conscious

More resilient

Better prepared
for future
challenges

- Successfully address the three strategic pressures identified and continue growing
- Giving us the ability to offer significant social and economic benefits to the local and global communities that we serve

Thank You



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