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Certification Systems Help in Reaching Sustainable Airport Operations

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Content

- Finavia – the airport operator in Finland
- Environmental responsibility
- Aspects of systems (ISO14001, ACA , BREEAM, LEED)
- Power of ACA



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Finavia Ltd

We own and maintain a network of 21 airports in Finland

Helsinki Airport

18 Mpax 2017

3 runways

170 000 ops/a

The best connected airport in Northern Europe.

The shortest routes between Europe and Asia.

The EUR 900 million investment programme at Helsinki airport lasting until 2020



MONTREAL, CANADA, NOVEMBER 29-30, 2017

Airports are the first to face criticism on environmental impacts of aviation

Direct impacts/ airports

- Aircraft noise
- Water pollution
- Local air quality
- Regulated by local permits and rules
- Immediate capacity constraints

In-Direct impacts/ airports

- Climate emissions of airport infrastructure
- Regulated only in few cases
- Usually no direct capacity constraints

In-direct impacts/ aviation

- Aviation emissions and climate change
- Regulated by international measures, e.g. EU-ETS, CORSIA
- Political measures only in few countries

Do airports' voluntary measures to reduce in-direct impacts have an influence on a) regulations regarding direct impacts or b) political measures regarding aviation?
On national level - are the measures taken by airports the only ones recognized?



Finavia's vision on environmental responsibility in 2020

*Finavia is a carbon-neutral airport operator
undertaking environmentally responsible measures
acknowledged by customers, neighbours and
competent authorities.*

In-direct impacts + direct impacts

Finavia and The Systems

ISO14001

- *Finavia has had since 2001 an EMS fully in accordance with 14001 but it has not been certified*

ACA

- *Helsinki Airport is Level 3+ and Lapland Airports group is Level 2*
- *Entered in 2011*
- *Lapland to reach Level 3+ in coming years*

BREEAM (LEED)

- *Helsinki Airport T2 Southern and Western Extension has an Interim Excellent-rating according to BREEAM 2013*

Aspects of The Systems

ISO14001

- Commitment by top management
- Creates the platform for the “Monitoring and measuring engine” to gather data for evaluation of performance
- EMS is a tool, not a proof of performance

ACA

- Industry-specific guidance on measuring CO₂-emissions
- Practical means for engaging stakeholders
- Forms a basis to voluntarily exceed the air transport industry’s general goals regarding CO₂

BREEAM (LEED)

- Major steps in energy efficiency can only be made cost-efficiently in new infrastructure projects
- Airport’s goal-setting on certification pushes designers to apply ambitious criteria instead of business-as-usual standards



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The Power of the ACA Scheme

- **Airport Carbon Accreditation (ACA) provides**
 - a industry-specific framework to reduce CO₂-emissions of airport operations and from other sources at airports
 - means to demonstrate the level of airport's ambition on sustainability
 - tools to communicate about achievements; and thus
 - support for airports' and air transport industry's licence to operate
- **EMS and building certifications**
 - EMS creates the reporting mechanism on emissions
 - Certification of buildings considers all sustainability issues and may contribute to better customer and employee experience as well as energy efficiency

Recent emission reduction measures at Helsinki Airport:
Renewable diesel (Neste MY) made of 100% wastes and residues
used in Finavia's apron busses and other vehicles.

The "Sauna" theme bus.



Recent emission reduction measures at Helsinki Airport: Solar electricity, to cover 10% of demand in new terminals in 2020





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Thank you!



FINAVIA
for smooth travelling