

SUSTAINABILITY OVERVIEW

By Ángel de Paz Marín, VRR





SUSTAINABILITY OVERVIEW

Climate Impact Label

“Standardising sustainability. Empowering climate-conscious ULD management.”

ATHENS2026
CONFERENCE

KEEPING AIR CARGO
MOVING
THE CRITICAL ROLE
OF ULDS IN GLOBAL
OPERATIONS



ULDCARE 
ULDigital
SEPTEMBER 29 → OCTOBER 1



SUSTAINABILITY OVERVIEW

What is the Climate Impact Label

- Initiative of the air cargo industry to harmonise discussions about environmental impact of ULD operations.
- Transparent approach to communicating a ULD's environmental footprint.
- Executed by a working group comprised of:
 - OEMs
 - Airlines
 - Leasing companies



SUSTAINABILITY OVERVIEW

And how *do* we standardise talks about a ULD's environmental impact?

Durability

Weight reduction

Operational fit

Second-life potential

Volume Optimisation

Use of recycled materials

Repairability

SUSTAINABILITY OVERVIEW

Current areas of evaluation

Weight Reduction

Accounts for 95-99% of total ULD environmental costs over its lifetime.

Repairability

Allows for ULDs to remain in operation for longer.

Second-life potential

Responds to a ULD's environmental impact beyond its lifetime.



ULD Climate Impact Label



Weight: (fill in weight)

ULD model: (insert ULD type)
Manufacturer: (insert manufacturer name)
Part number: (insert part number)
Certification date: (insert certification date)
Certification version: (insert certificate version)



ULD CLIMATE IMPACT LABEL CERTIFICATION

Issued by: ULD CARE - Unit Load Device Management & Environmental Sustainability Initiative

Certificate of Environmental Performance

This certifies that the following Unit Load Device (ULD) model has been evaluated and classified according to:

ULD Model: [Insert ULD Type]
Manufacturer: [Insert Manufacturer Name]
Product Part Number: [Insert Part Number]
Date of Certification: [Insert Date of Certification]
Label version: [Insert Label Version]

Weight ratings: [Insert weight rating]
Weight: [] kg / [] lbs
Spare Parts Availability: Yes
Second Life Potential:

	Weight (in kg)	Percentage of ULD
Aluminium		
Steel		
Plastic		
Composites (Basalt Fibre)		
Other		

Recycling or end-of-life program: [Insert applicability]

Authorized by:

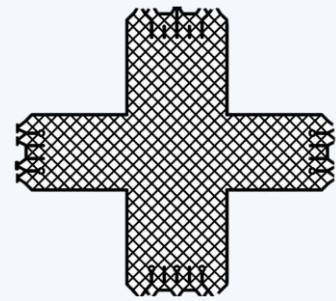
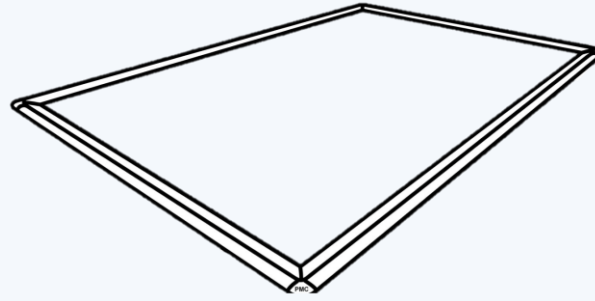
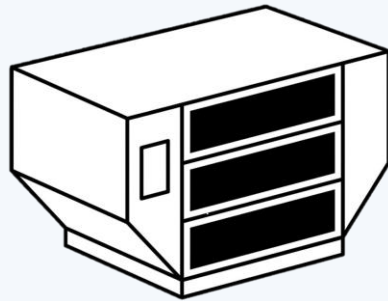
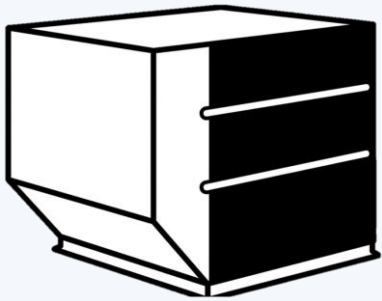
[Name and Date]]

ULD CARE Certification Body

SUSTAINABILITY OVERVIEW

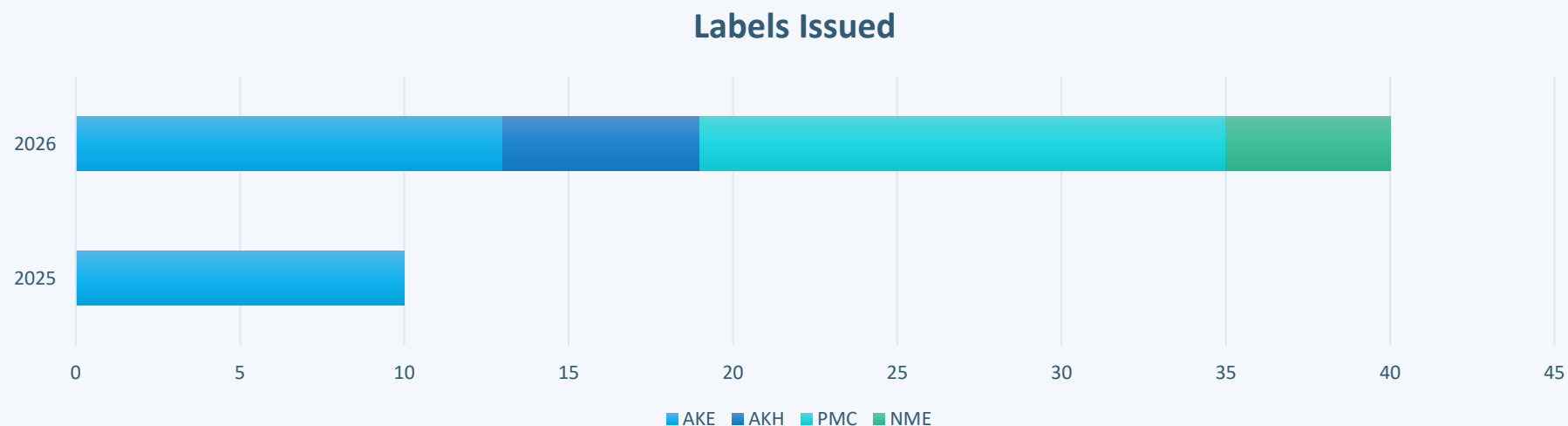
So, what's new?

Increase the label's reach by increasing its scope beyond the AKE.



SUSTAINABILITY OVERVIEW

Results





SUSTAINABILITY OVERVIEW

What's next?

Long-term vision:

- **Industry Standard:** Establish the benchmark in sustainability rating system for ULD equipment.
- **Procurement tool:** Empower air cargo procurement teams to make eco-conscious purchasing decisions.

Tomorrow's Workshop Priorities:

- **Content:** Defining core sustainability metrics and rating methods.
- **Scope:** Establishing applicable ULDs and lifecycle boundaries.
- **Application:** Guidelines for operational adoption.



SUSTAINABILITY OVERVIEW

Thank you!

AWARDS CEREMONY

AeroNet

- 3 applications
- 2 PMCs
 - 1 NME

AviusULD

- 7 applications
- 3 AKEs
 - 2 AKHs
 - 2 PMCs

GPI Forankra

- 1 application
- 1 NME

VRR

- 4 applications
- 3 PMCs
 - 1 AKE

PalNet

- 3 applications
- 3 PMCs

Satco

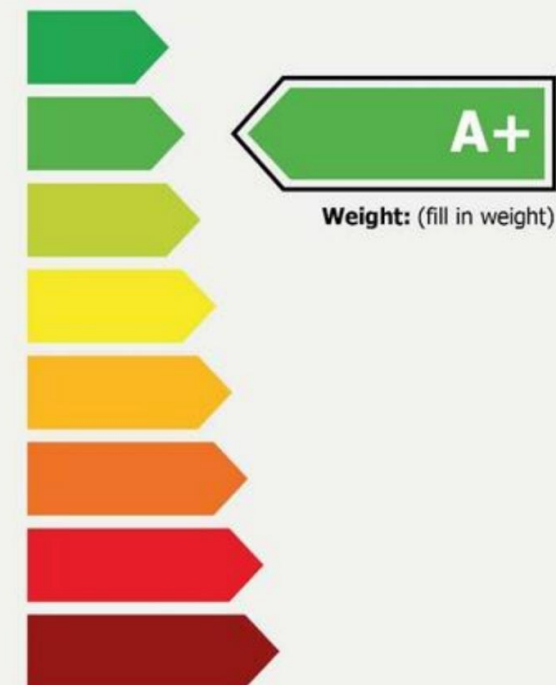
- 3 applications
- 1 PMC
 - 1 AKE
 - 1 AKH

Taiwan Fylin Industrial (TFI)

- 18 applications
- 8 AKEs
 - 3 AKHs
 - 2 NMEs
 - 5 PMCs



ULD Climate Impact Label



ULD model: (insert ULD type)

Manufacturer: (insert manufacturer name)

Part number: (insert part number)

Certification date: (insert certification date)

Certification version: (insert certificate version)