



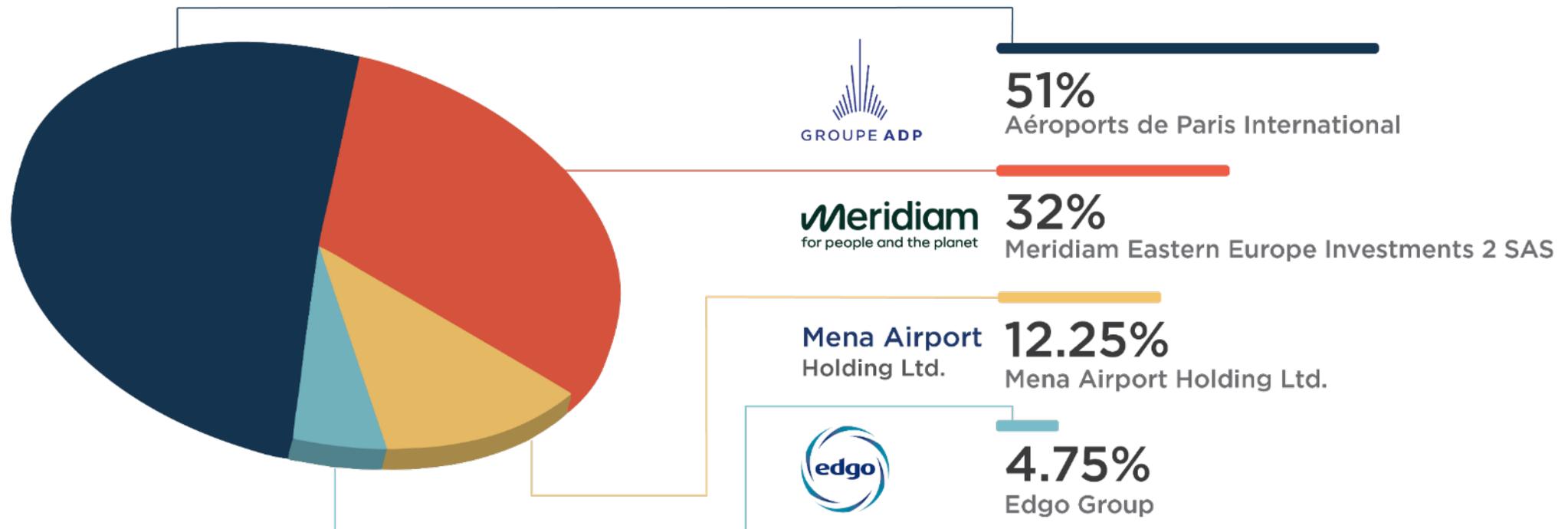
QUEEN ALIA INTERNATIONAL AIRPORT



INTORDUCTION ON AIG & QAIA FACILITES

AIRPORT INTERNATIONAL GROUP SHAREHOLDERS

Airport International Group is a Jordanian company comprising local and international investors with proven experience in airport rehabilitation, enhancement, operation and management.



LOCAL AND INTERNATIONAL PARTNERS WITH HIGH EXPERTISE IN AIRPORT PROJECTS

◆ Groupe ADP:

- The first global airport group in the world, with over 50 years of specialized industry experience.
- Managed 28 airports worldwide (234.1 million passengers) in 2019 before the COVID-19 crisis.



◆ Meridiam Eastern Europe Investments:

- An independent investment firm developing, financing and managing long-term sustainable public infrastructure since 2005.
- Manages over 70 assets in the mobility, energy transition and social infrastructure sectors valued at EUR 7 billion.



◆ Mena Airport Holding Ltd:

- A UAE-based investment vehicle of the Islamic Development Bank (IDB) Infrastructure Fund II managed by Asma Capital Partners.
- The Fund has USD 750 million in capital commitments to invest in infrastructure projects across the MENA region.



◆ Edgo Investment Holdings Ltd.:

- An international company founded in 1956 specializing in the energy services and infrastructure sectors.
- One of Jordan's leading companies, distinguished by its diverse and successful multidisciplinary business.



REHABILITATION, EXPANSION & OPERATION AGREEMENT

In 2007, the Hashemite Kingdom of Jordan awarded a 25-year 'Build-Operate-Transfer' (BOT) concession to Airport International Group to rehabilitate, expand and operate Queen Alia International Airport (QAIA) following an intensive international tendering process.



THE TIMELY DELIVERY OF JORDAN'S PRIME GATEWAY TO THE WORLD

- ◆ With funding valued at approximately USD 1 billion from Airport International Group, the new state-of-the-art terminal was inaugurated as mandated by the initial agreement.
- ◆ The Operational Readiness and Airport Transfer (ORAT) of the new terminal was successfully conducted within 4-6 hours.
- ◆ In March 2013 marked a new era in Jordan's air transport sector with the opening of the state-of-the-art new terminal by His Majesty King Abdullah II.
- ◆ The new terminal inauguration was followed by the completion of the second phase of QAIA's new terminal project, inaugurated by HRH Crown Prince Al Hussein bin Abdullah II in September 2016.



QAIA IMPACT ON THE JORDANIAN ECONOMY

- ◆ In collaboration with IATA & Amsterdam SEO, Airport International Group launched a study to assess the full economic impact of QAIA on the Jordanian economy based on four major factors:

1 **Direct impact**
Economic activity associated with activities at QAIA.

2 **Indirect impact**
Economic activity of companies that supply or support the activities at QAIA.

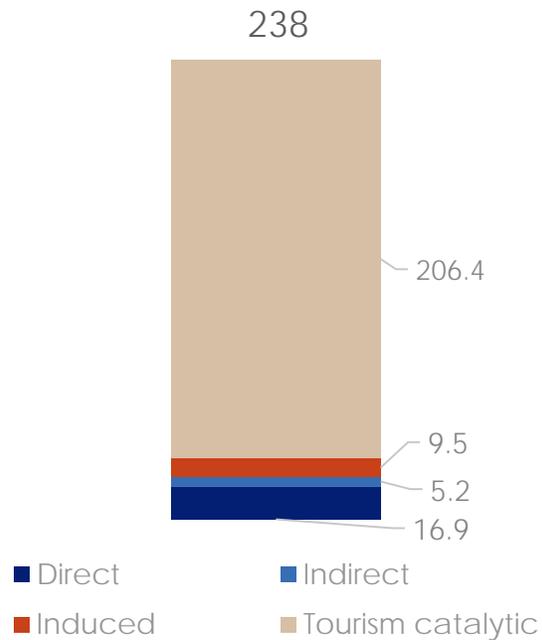
3 **Induced impact**
Economic activity resulting from the spending of wages by the people directly and indirectly employed through QAIA.

4 **Catalytic impact**
Economic activity resulting from the connectivity facilitated by QAIA (tourism).

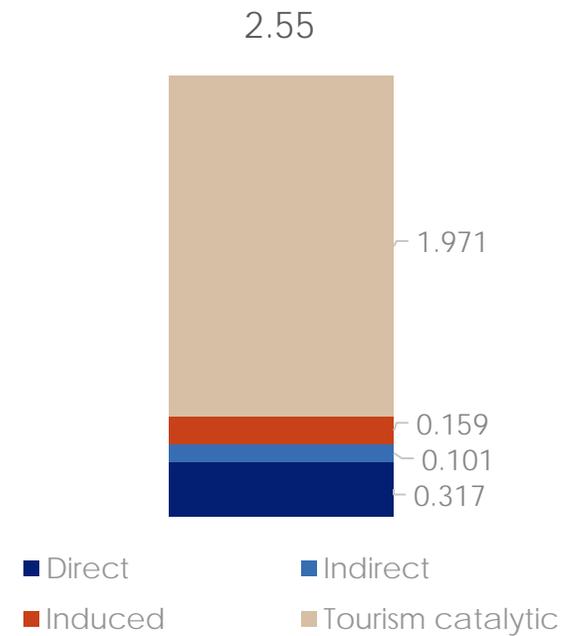
QAIA IMPACT ON THE JORDANIAN ECONOMY

◆ QAIA supported 238 thousand jobs and 2.55 billion JD in GDP in 2019

Jordanian jobs supported from QAIA activities in 2019
(Thousand jobs)



National GDP estimated impact of QAIA in 2019
(GDP, in JOD billion)

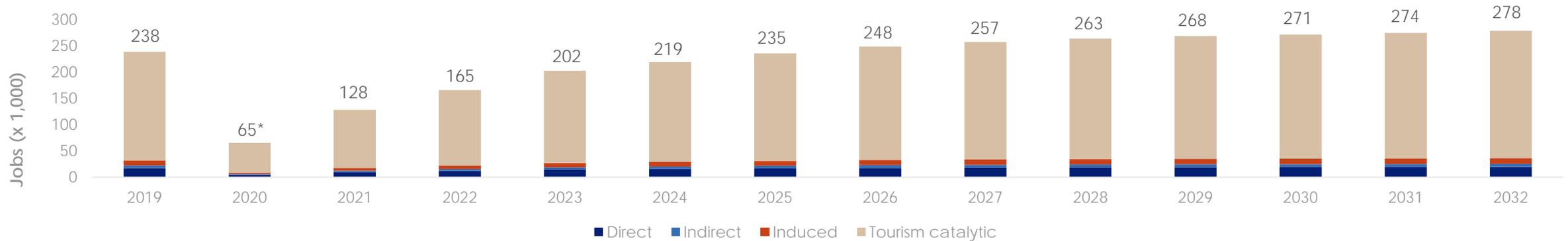


Notes: SEO Amsterdam Economics analysis based on statistics from the Jordan Department of Statistics, Airport International Group, and IATA

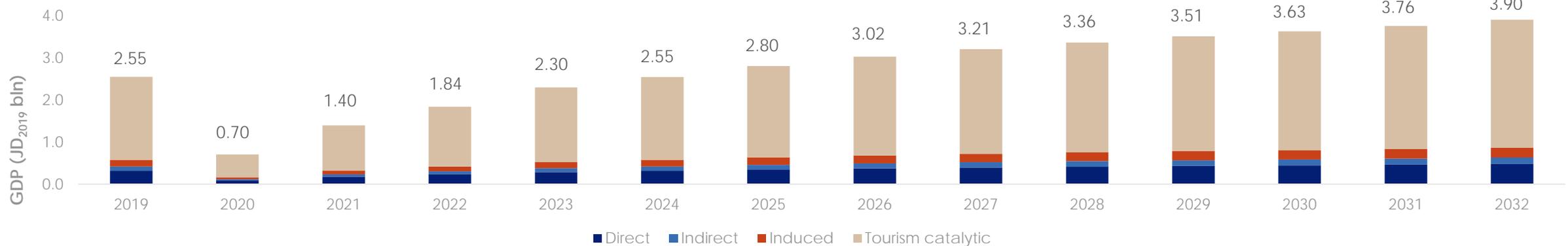
QAIA ECONOMIC IMPACT FORECAST

◆ QAIA expected to support 278,000 jobs and 3.9 Billion JOD in GDP by 2032

Jordanian jobs* supported from QAIA activities, annual for period 2019-2032 (Thousand jobs)



National GDP estimated impact of QAIA, annual for period 2019-2032 (GDP, in JOD billion)



Notes: SEO Amsterdam Economics analysis based on statistics from the Jordan Department of Statistics, Airport International Group, and IATA;

*The number of jobs supported is reflective of demand for air travel. During the COVID-19 crisis this has not indicative of jobs lost in the industry, which due to Governmental and Corporate policies have been minimal.

A MODERN AIRPORT CONFORMING WITH TOP INDUSTRY STANDARDS AND PROTOCOLS

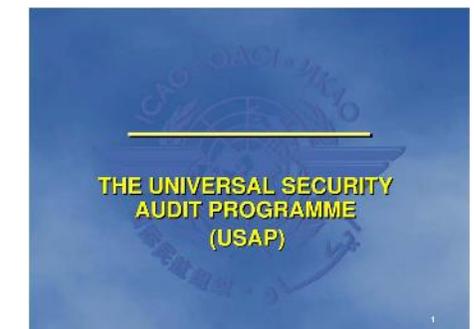
Certifications and Compliance

◆ ISO Certifications:

- **ISO 45001:2018** Occupational Health and Safety Management Systems
- **ISO 10002:2018** Quality Management - Customer Satisfaction Guidelines for Complaints Handling in Organizations
- **ISO 9001:2015** Quality Management Systems
- **ISO 14001:2015** Environmental Management Systems
- **ISO/IEC 27001:2013** Information Security Management Systems

◆ Security & Safety:

- QAIA signed an agreement with Airports Council International (ACI) and participated in the Airport Excellence (APEX) in Security Program, which is based on the ICAO guidance and national requirements, as well as ACI best practices



RESOUNDING SUCCESSES RECOGNIZED BY AVIATION INDUSTRY GIANTS

QAIA Awards - Timeline

	Year	Award
	2013	Gold Award for Best Emerging Market Infrastructure Project – Europe, Central Asia and MENA
	2014 2015 2016 2017 2018 2019 2020	QAIA won the following awards in ACI's Airport Service Quality (ASQ) Survey 2014 and 2015: First place in the category 'Best Airport by Region: Middle East' 2017: second place in the category 'Best Airport by Region: Middle East' 2016, 2018, 2019 and 2020: QAIA Named 'Best Airport by Size and Region (5 to 15 million passengers per year in Middle East)
	2017	Silver Award in the ACI Asia Pacific Green Airports Recognition Program, 'Energy Management'
	2022	Green Airports Recognition 2022 – Gold Recognition
	2018	1 st airport to achieve 3+ level of 'Airport Carbon Accreditation' in the Middle East
	2020	Renewed and Extended Airport Carbon Accreditation Level 3+ 'Neutrality' Until 2022
	2019	QAIA achieved level 1 of ACI Airport Customer Experience Accreditation
	2020	QAIA achieved level 2 of ACI Airport Customer Experience Accreditation
	2021	QAIA renewed level 2 of ACI Airport Customer Experience Accreditation
	2020	QAIA achieved ACI Airport Health Accreditation
	2021	QAIA renewed ACI Airport Health Accreditation
	2020	Renewed 'Aerodrome Operating Certificate' by CARC

INTRODUCTION ON AIG ENVIRONMENT MANAGEMENT SYSTEM

ENVIRONMENT MANAGEMENT SYSTEM



ENVIRONMENT, SOCIAL, HEALTH AND SAFETY SCOPE

❑ ENVIRONMENT, HEALTH AND SAFETY PLAN

- ❖ Plan objective: Described the actions that AIG is working on to control the pollution at the source, comply with national/applicable international requirements, and minimize the accident

❑ SOLID WASTE MANAGEMENT PLAN

- ❖ Plan objectives: Describes the actions in relation to collecting/disposing of the waste in safe manner with minimum impact on environment

❑ SOCIAL MANAGEMENT

- ❖ Plan objective: Describes the actions that AIG is working on to minimize operation impact on local community , and comply with the international requirements

❑ CONTRACTOR, ENVIRONMENT, SAFETY HANDBOOK

- ❖ HANDBOOK objectives: Describe the requirements needed to be implement at site prior start any work

CARBON MANAGEMENT

▣ CARBON ACCREDITATION

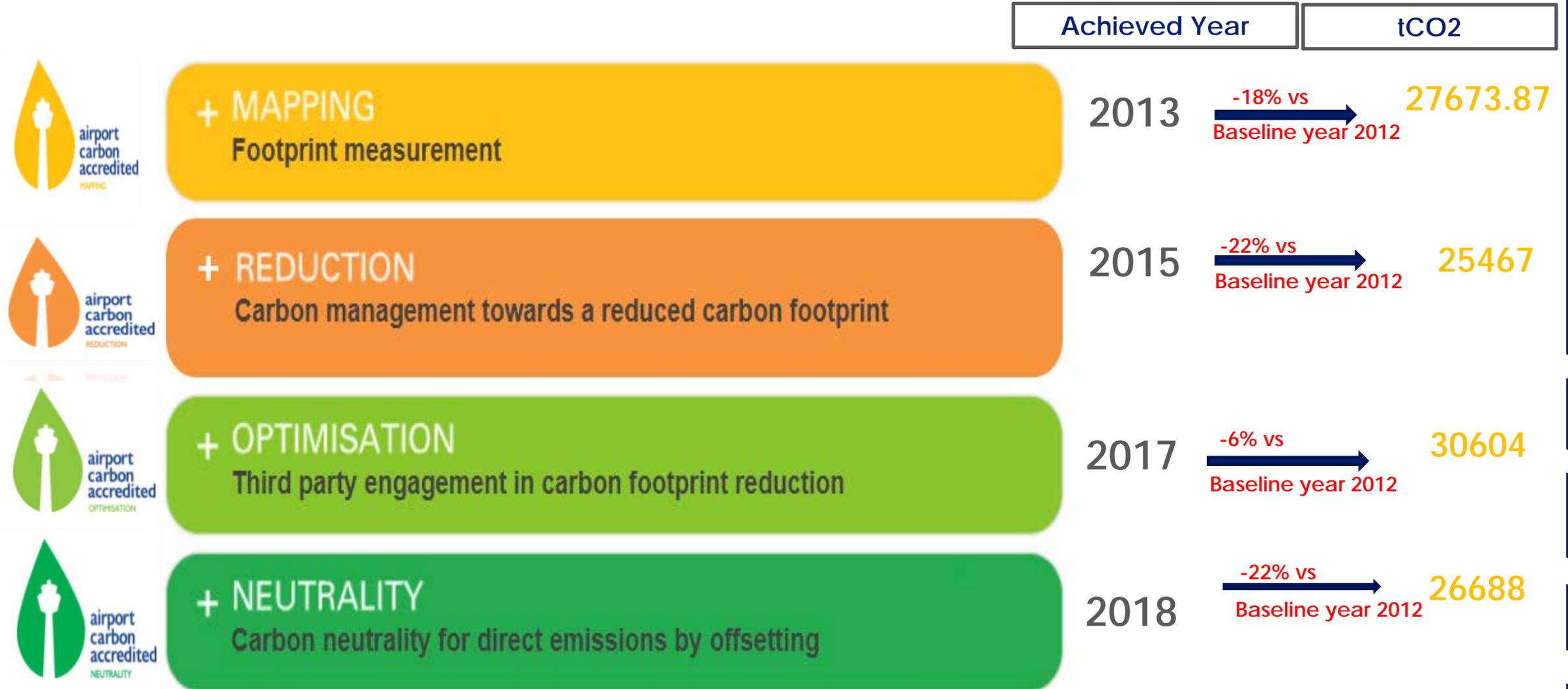
Airport Carbon Accreditation was developed and launched in Europe by Airports Council International **(ACI) Europe in 2009.**

As of late 2014, Airport Carbon Accreditation had expanded world-wide to all ACI regions. It is the **ONLY VOLUNTRY GOLOBAL CARBON MANAGEMENT STANDARD FOR AIRPORTS**

- The aim of ACI's Airport Carbon Accreditation is to **ENGOURAGE** and enable airports to implement **BEST PRACTICES** in carbon management and achieve emission reduction.
- Accreditation provides the opportunity for airports to gain public **RECOGNITION** for their achievements, **PROMOTES** efficiency improvements, encourages **KNOWLEDGE TRANSFER.**

CARBON MANAGEMENT

QAIA ROAD MAP TOWARD NEUTRALITY



CARBON MANAGEMENT

AIG APPLY TO LEVEL 4+

Level 4-Transformation



Define a long-term carbon management strategy oriented towards absolute emissions reductions, aligned with the objectives of the Paris Agreement. Demonstrate evidence of actively driving third parties towards delivering emissions reductions.

Level 4+-Transformation



Offset the residual carbon emissions over which the airport has control, using internationally recognised offsets.

Base on Paris agreement :

- **1.5°C – 45% reduction on 2010 levels by 2030 and net zero by 2050**
- **2.0°C – 25% reduction on 2010 levels by 2030 and net zero by 2075**

CARBON MANAGEMENT

❑ QAIA COMMITMENT TOWARD NETZERO CARBON BY 2050

- ❖ **Neutrality:** Reducing carbon emissions and **compensating** the remaining carbon emissions through the purchase of carbon offset credits.
No specific % need to limit vs time & No removing of Carbon dioxide require
- ❖ **Net Zero:** Maximum reduced emissions by -90% by 2045& remaining 10% will be under Carbon removal (**Negative Emissions Technologies or NETs**)

CARBON MANAGEMENT

❑ ACA-CARBON OFFSETTING REQUIREMENTS

Only the most established and credible offset programmes that meet strict methodological and quality criteria are eligible under Airport Carbon Accreditation.

Airports shall choose one or more from the following list:

- Clean Development Mechanism
- Verified Carbon Standard
- Gold Standard
- Climate Action Reserve
- American Carbon Registry
- UK Woodland Carbon Code (for UK-based airports only)

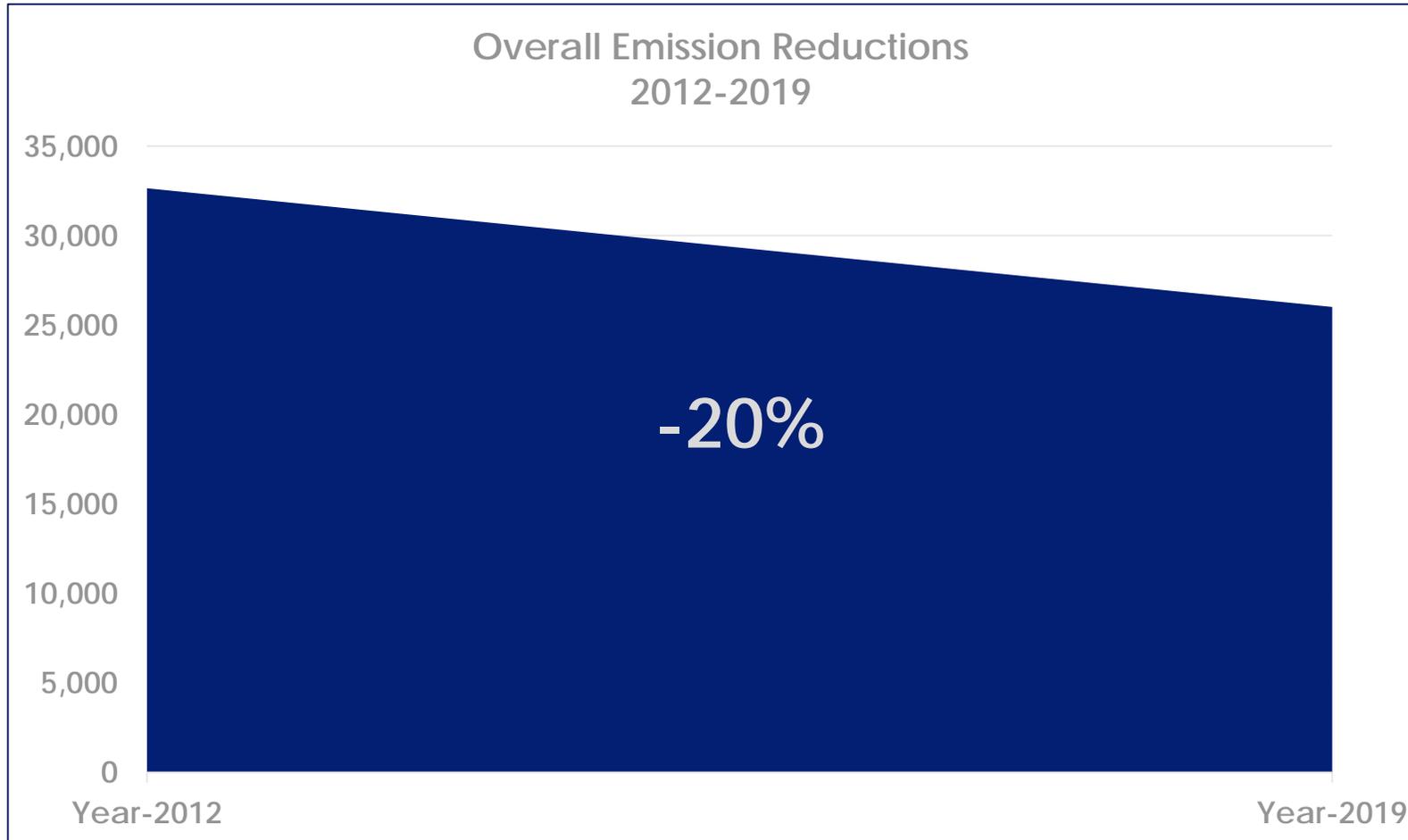
CARBON MANAGEMENT

☐ ACA-CARBON OFFSETTING REQUIREMENTS-MANDATORY QUALITY CRITERIA

Criteria	Description
MRV	Emission reductions are Monitored, Reported, and Verified; therefore, they are real and measurable.
PERMANENCE	Emission reductions are permanent and irreversible
LEAKAGE	The offset project does not cause higher greenhouse gas (GHG) emissions or lower GHG mitigation outside of the project boundary.
OWNERSHIP	A robust accounting system prevents double counting and double claiming of offsets
NO HARM	The offset project should not cause any negative environmental or social externalities

CARBON MANAGEMENT

QAIA COMMITMENT TOWARDS NETZERO CARBON BY 2050



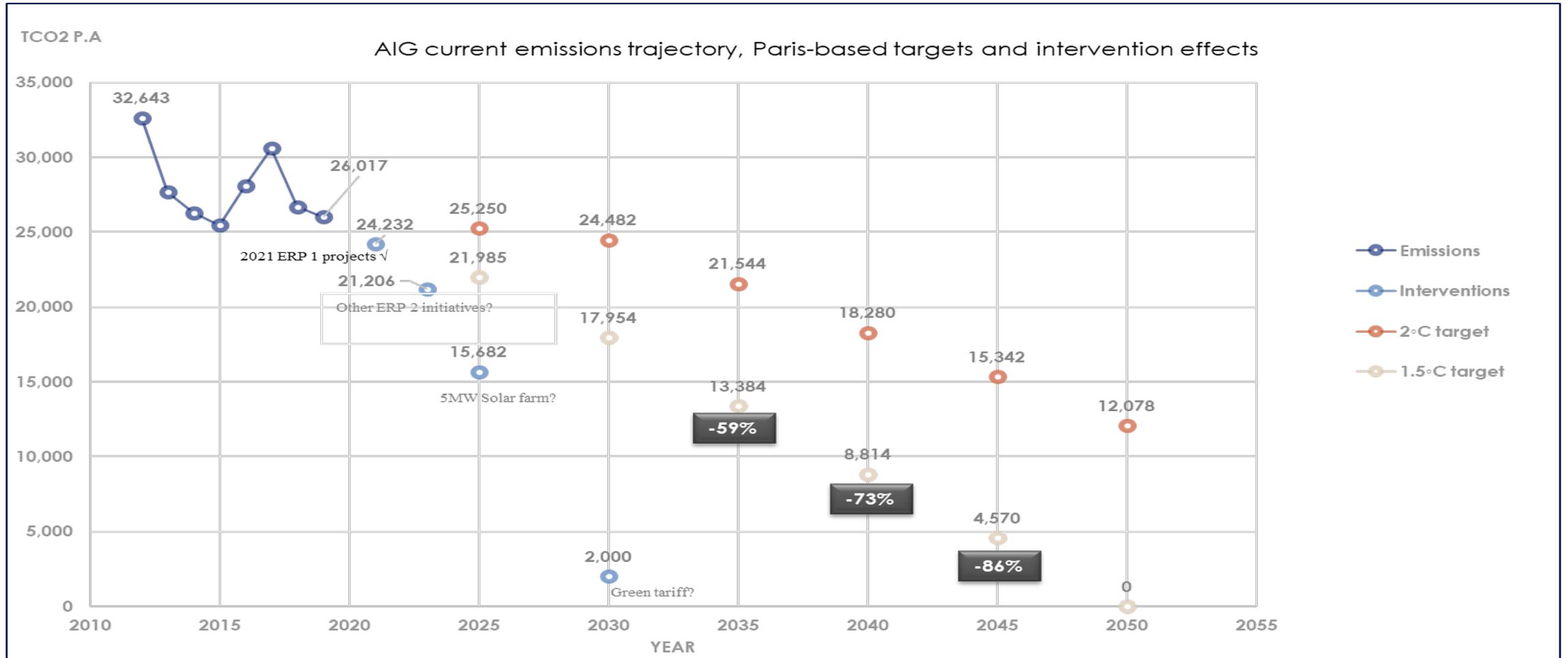
Reductions Measures

1- Energy Efficiency in New Terminal 2013/2016

2- Energy Saving Action plan in 2015-2019

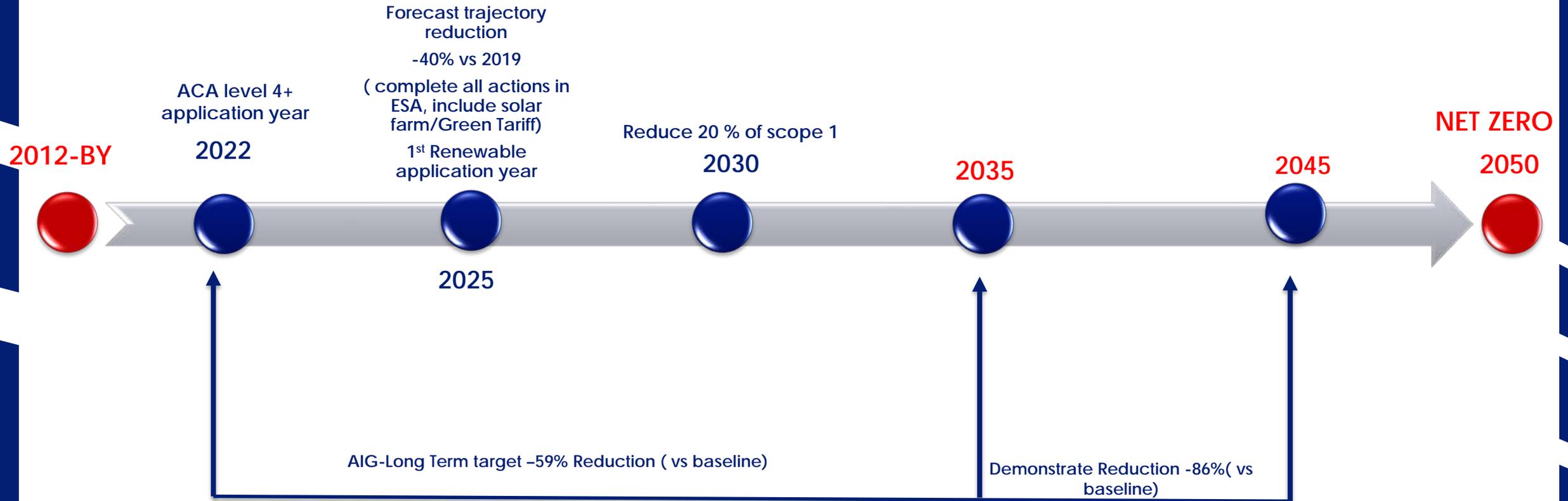
CARBON MANAGEMENT

❑ AIG EMISSION TRAJECTORY TARGET PATHWAY TOWARD NETZERO BY 2050



CARBON MANAGEMENT

AIG-NETZERO CARBON ROAD MAP



CARBON MANAGEMENT

□ Summary of main action planned to further reduce emissions



Energy Efficiency Measures: Implement Energy saving projects as per Energy saving action plan



Onsite Renewable Energy: Establish 4.8 MW solar farm



Vehicle Fleet Decarbonization:

- Transition fleet to electrical/hybrid
- Working closely with the airport transportation companies(bus/taxi) to transfer from fuel to electrical/hybrid
- Working closely with airport stakeholders to develop action plan to transfer their GSE/light vehicles to electrical/hybrid
- Working with relevant authorities to improve the public transportation from/to airport

CARBON MANAGEMENT

☐ SUMMARY OF ACTIONS TO IMPLEMENT TO REDUCE EMISSIONS SCOPE 1/2/3



Boiler Operation: Replace diesel with low carbon source gas (such natural gas)

APU

Shutdown APU at gate/stand: Using Electrical fixed power OR GPU

3rd party

Carbon Management: Working closely with stakeholders develop their own carbon management plan, and reduction target

Waste Disposal

Waste Management: Wet waste is being transport to Bio-gas waste treatment center

CARBON MANAGEMENT

❑ CHALLENGES/PRESSURE TO ACHIEVE NETZERO CARBON BY 2050

Grid
Decarbonization

Possibility to purchase 100% renewable energy direct from grid

On-site Renewable

Facilitate the approval of establish renewable energy project

Carbon offset cost

Increase the cost related to carbon offset
Limited # of certify carbon offset on national level

Technology

The lack of availability for Carbon removal technologies on national level

CARBON MANAGEMENT

❑ CHALLENGES/PRESSURE TO ACHIEVE NETZERO CARBON BY 2050

Vehicle fleet
decarbonization

Cost related to replace from fuel to electrical

Green Fund

Authorities support toward establish low/zero carbon project



Thank You

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