

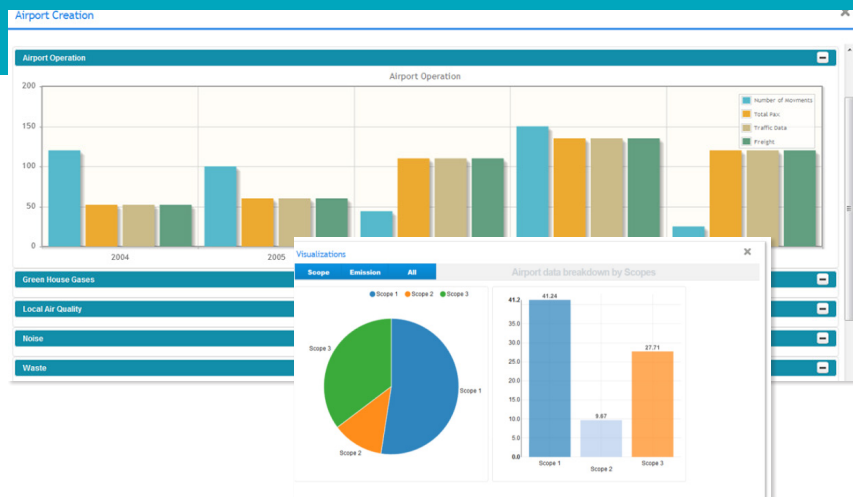


Carbon Management Services



Steadily increasing demand for air transport means that airports are faced with capacity constraints. Airports are highly concerned with understanding how to address the challenges of sustainable growth. Carbon management is not only part of environment strategy but also a means of increasing the efficiency of airport operations and energy use.

Envisa proposes an integrated offer of consultancy services, supported by an environmental web portal AeroGenie to address the airport environmental impact.



Envisa supports airports all around the world, helping them to achieve efficient environmental management.

Envisa's integrated offer allows airports to develop a sustainable approach.

Our experts are independent and in line with professional organizations such as ACI, EASA, IATA etc..

Envisa is an ACI world business partner and is part of ACI Environmental Committee.

We have some of the most innovative solutions to reduce carbon emissions in most sustainable manner.



Our web platform, **AeroGenie** is the most efficient way of handling carbon management :

- ✓ **Safely hosted**, and maintained data.
- ✓ **Easy update** for future scenarios and comparison with historical data.
- ✓ Diagnosis for emissions reduction in order to **secure investment choices**.
- ✓ **Reduced effort** for certification.

With **AeroGenie**, build informed scenarios to support the strategic thinking.



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Airports are now challenged to **implement their carbon management strategy**.
It is vital to :

- 1 Identify the needs and future requirements to build the most efficient carbon strategy
- 2 Find skilled specialists, both on regulation, standards and methodologies
- 3 Use the best practices and most advanced tools to increase competitiveness

KEY ISSUES

Data inventory

Up-to-date knowledge of regulations

Identify sources of emissions – stationary and mobile sources (scope definition)

Data consolidation

Data come from significantly different sources and stakeholders: According to several criteria and type of stakeholder data might influence the results: airport procedures and technologies, aircraft weight, weather etc.. For example aircraft trajectories are an important dimension in estimating emissions.

Envisa had been processing emission data for manufacturers and airlines for more than 10 years. Its consultants have developed skills to build and model complex data (Projects with EASA, Eurocontrol...).

Strategic planning

Envisa opens a new era of Carbon data management

- ✓ Playing scenarios to determine which strategy will be the most efficient
- ✓ Securely store data, improve and update year on year

SERVICE OFFER

Envisa supports their clients for the development of best-in-class processes, from carbon management up to carbon neutrality.

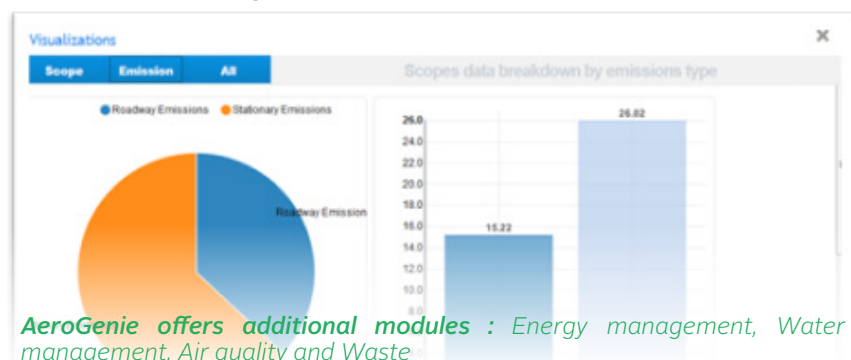
A three level management practice has been defined to accompany airports on their path to carbon neutrality :

- 01 **CARBON FOOTPRINT**
 - Data inventory: GHG sources and activities, internal environment report, cost analysis...
 - Carbon mapping
 - Support to Airport Carbon Accreditation (ACA) Level 1
- 02 **FOOTPRINT DIAGNOSTIC AND CARBON STRATEGY**
 - Carbon target setup and management plan
 - Strategic recommendations on improvements
 - Support to ACA Level 2
- 03 **FOOTPRINT IMPROVEMENTS**
 - Involvement of third parties in the carbon strategy via dedicated accounts on the webplatform (data collection, information, etc.)
 - Emission reduction implementation plans
 - Support to ACA Level 3 and 3+

BENEFITS FOR AIRPORTS

- ✓ Reduced data input time
- ✓ Prefilled forms and verification of datasets
- ✓ Historical mapping, and forecasting
- ✓ Easy comparison and diagnosis for emission reduction
- ✓ Standard and personalised reports
- ✓ Embedded case studies

AeroGenie web platform



Best-of-breed expertise

Up-to-date knowledge of EU and international regulations – International collaboration with EC, EUROCONTROL, EASA, Cleansky, ICAO...

Renowned expertise and qualified GHG verification based on ISO 14064 and many others (ISO 12064, ACERT, ACA, ETS, GES..)

Skills in strategic planning, modelling, scenario & forecast analysis.

Cost-effective approach

Envisa packaged offer ensures quick setting-up. It allows re-use of data for multiple analysis - noise, carbon, air quality, which significantly decreases environmental studies overall costs.

AeroGenie web platform allows continuous monitoring and automated of report production.