



## Sustainable Airports

**Every country** creates different challenges.

**Every airport** requires different solutions.

**Every client** has different needs.

**Our goal** is to meet all of these various challenges. With feasible and sustainable concepts which are customized right to the smallest detail rather than “off-the-peg”.





**Our response to tougher competition: Sound advice for sustainable airports.**

**Sustainable planning, construction and operation can create true treasures for you. After all, well-conceived airports retain their high value over the long term—for owners and investors as well as for users.**

- Airports evolve over time, creating a **spectrum of installations, buildings, utilities and facilities** of different ages and at different stages of development. Does this cause problems which need to be addressed in line with day-to-day operational needs and long-term strategic goals?
- Aircraft noise remains a sensitive issue. Do you have a good **relationship with your neighbors**?
- Are you happy with your **recycling quota** and your **waste management costs**?
- Are you planning a major **airport extension** with possible impacts on the environment?
- How about protection and **remediation** of soil and ground water to **increase the value of your property**?
- Do you need long-term and **sustainable land use plans** due to limited space?

**Even with perfect maintenance, the life cycle of materials and systems is bound to end sometime and this makes investment in new equipment, utility infrastructures and buildings inevitable.**

- Energy costs form a major element in any airport's operational expenditure. Do you want to cut your energy costs to let your **business plan** move forward?
- Are you interested in expert advice and **professional tendering** to help obtaining the best prices for gas and electricity?

- Do you want to change your conventional **energy production**? We can support the incorporation of renewable sources of energy.
- Green airports designed for sustainability are efficient and attractive. They can upgrade an **airport's image** and reputation. **Sustainable airports** provide more protection for natural resources like soil, water and air, while **reducing energy consumption and emissions**.

**Our Integrated Approach:**  
**HTA bundles all sustainability-related issues into target-oriented projects and carries out a comprehensive analysis of both the present situation and the outlook for the future. All requisite services are provided from a single source.**





### Modular or complete: HOCHTIEF AirPort is your added-value partner

#### **Environment, health, occupational safety (EHS), sustainability**

- EHS compliance check with regard to an airport operator's general environmental operational permit and operational license
- Long-term noise strategies, noise protection and insulation programs
- Waste management/recycling concepts and support in tendering
- Environmental monitoring programs for surface water, ground water, air quality
- Drainage system review
- Support for carbon footprint calculation
- Green building design, management and certification

#### **Long-term energy and heating concepts**

- Review of the current energy and heating supply and demand situation, also in the light of future requirements and possible savings
- Preparing an energy balance sheet
- Extensive building diagnosis
- Drawing up and providing expert support for Europe-wide tender procedures for the media gas and electricity
- Developing a sustainable long-term supply and distribution concept for electricity, gas and hot water, including the modernization and upgrading of the existing energy infrastructure and utilities to reduce operational costs (airside and landside)

#### **Permitting guidance and community relations**

- Establishing planning approval task forces to prepare, conduct and coordinate all obligatory administrative procedures for airport expansion projects. This includes:
  - Environmental impact assessments
  - Environmental approval procedures
  - Noise zoning support
  - Planning approval
- Community relations
  - Support for communication on environmental issues with all stakeholders such as airlines, municipalities, third parties and concessionaires
  - Preparation of environmental reports for the public


#### **Organizational optimization and training**

- Interim management for environment, health and occupational safety issues (EHS) and sustainability
- Development of environmental management systems in line with ISO 14001
- Optimization of EHS company structure, setting up referring departments
- Adviser to management and Human Resources department
- Workshops and EHS training with executives and senior management: planning, organization, realization and leadership

### Worldwide expertise: Selected facts

- HOCHTIEF AirPort (HTA) is one of the world's biggest private and independent airport managers and investors.
- Six airport shareholdings: Athens, Budapest, Düsseldorf, Hamburg, Sydney, Tirana
- **“All under one roof” concept:**  
In everything connected with airport sustainability, HOCHTIEF AirPort can draw on the expertise of the entire HOCHTIEF Group by involving other HOCHTIEF units.
- HTA Environmental Affairs advises and supports airports regarding all environmentally, economically and socially sustainable operational practices. It assists in introducing appropriate systems and defining their organizational governance. And it helps in identifying future priorities and the drivers for sustainability.

### Worldwide expertise

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- Albania
  - Australia
  - Bulgaria
  - Croatia
  - Germany
  - Greece
  - Hungary
  - India
  - Italy
  - Jordan
  - Latvia
  - Macedonia/FYROM
  - Moldova
  - Russia
  - Romania
  - Slovenia
  - Tunisia
  - Turkey
  - UAE
  - USA

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