

Leading the change

AECOM in Spain



We live where you live and understand the world's challenges. We know the importance of fresh water, clean and reliable energy, efficient transportation systems and industrial facilities, as well as beautiful and well served buildings, communities and cities.

With thousands of experts globally, we are able to serve clients in more than 150 countries across all components of a project's life cycle including design, build, finance and operation.

Our over 500 employees, including architects, engineers, designers, planners, scientists and management and construction services professionals, have helped shape the world around us, building a strong reputation based on our track record of providing technical excellence to our clients.

Our Spanish head office in Madrid is one of AECOM's established Global Design Centres, providing multidisciplinary services from project conception to completion, enabling our public and private sector clients to maintain their competitiveness in global markets. As a design centre, we are uniquely equipped with cutting-edge technology, such as Building Information Modelling (BIM) and RailEST—(a new in-house simulation tool for rail lines)—allowing us to guarantee the quality of the projects we deliver.

Our Spanish offices





Main Office

Madrid

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Regional Offices

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Barcelona

Comte d'Urgell 143

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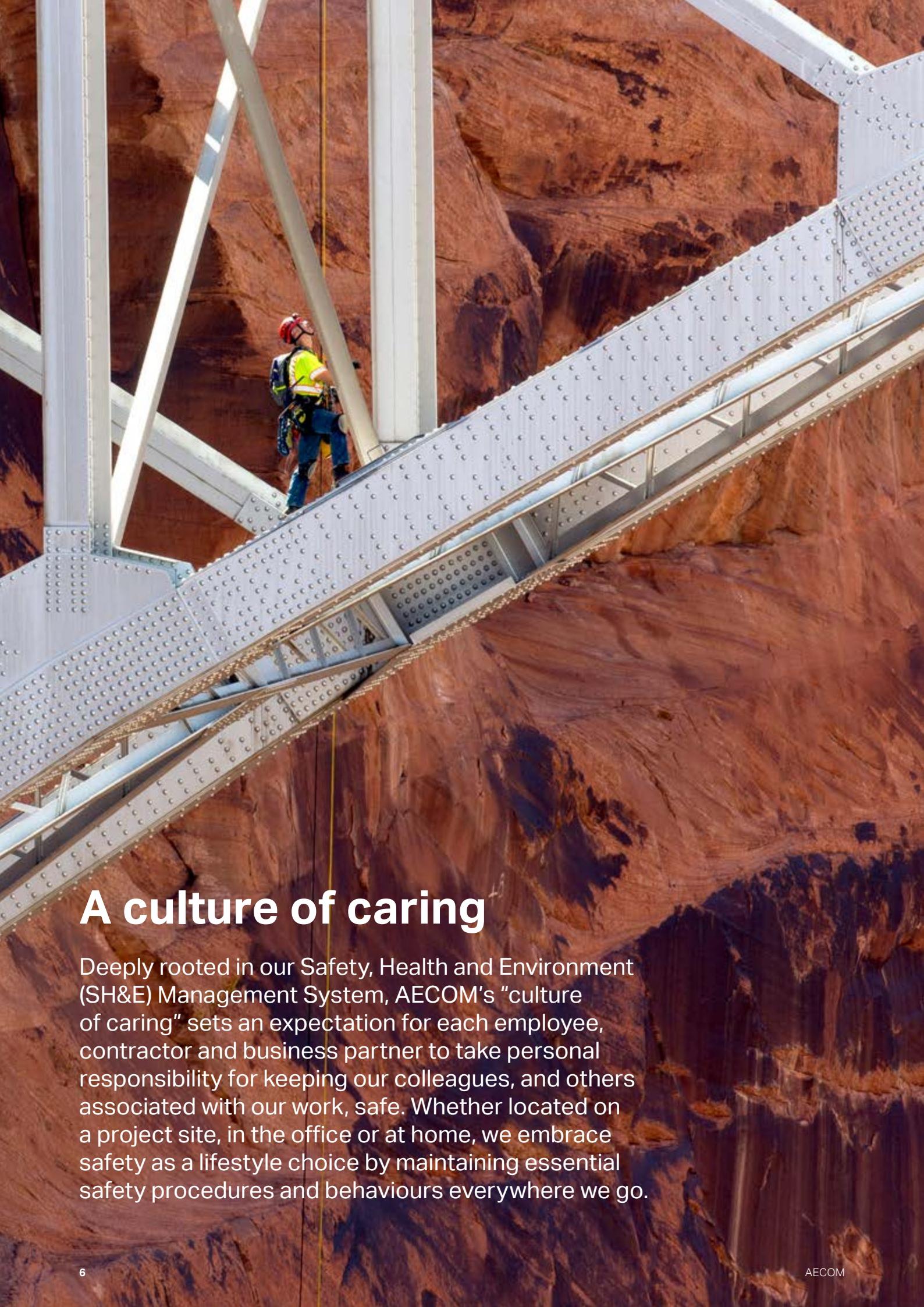
Zaragoza

Laguna de Rins 8, 1º B

E-50005

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Fax.: +34 97 648 2178



A culture of caring

Deeply rooted in our Safety, Health and Environment (SH&E) Management System, AECOM's "culture of caring" sets an expectation for each employee, contractor and business partner to take personal responsibility for keeping our colleagues, and others associated with our work, safe. Whether located on a project site, in the office or at home, we embrace safety as a lifestyle choice by maintaining essential safety procedures and behaviours everywhere we go.



Safety, Health and Environment are fundamental to AECOM's purpose — to positively impact lives, transform communities and make the world a better place.

Civil Infrastructure

Creating today's framework for tomorrow's growth, we are working to move people faster, safer and more sustainably.

With decades of experience delivering innovative civil infrastructure projects that span countries and continents, we are driving the new wave of safe and efficient high-speed rail (HSR), developing rail networks that promote liveable communities by reducing highway and aviation congestion, encouraging energy independence and efficiency, and addressing global climate change. We connect communities through our work on emerging regional and express HSR projects.

As well as being an HSR leader, we provide project management, hydrology, hydraulics and drainage, tunneling, ground engineering, rail systems, bridges and structures, mechanical, electrical and plumbing engineering (MEP) and transport architecture expertise.

Selected areas

- Highways and roads
- HSR
- Mass transit
- Bridges and tunnels
- Aviation
- Innovation (RailEST, EMFRail)

Selected services

- Works control and supervision
- Technical assistance
- Design (preliminary design, detailed design)
- Feasibility studies
- BIM



North Tarrant Express Segment 3A, Texas, USA

The Texas Department of Transport (TxDOT) is carrying out improvement works to its existing highway network to improve local and regional mobility, promote the area's economic activity and reduce present environmental pollution levels. The North Tarrant Express Segment 3A reconstruction project is an integral part of TxDOT's plans. AECOM staff from across both our Dallas and Madrid offices are providing detailed design, project management and construction services on the project.

+40

high-speed
rail projects
designed

37

years of
experience

278km

of tunnels
designed

3,500km

of highway and
road engineering

Moving people faster, safer and more sustainably

Murcia International Airport, Spain

A new global gateway to Spain's South-East area, Murcia International Airport has been designed to eventually handle around five million passengers per year. AECOM developed the masterplan for the airport, which is authorised to operate 24 hours a day, and aims to provide high passenger comfort levels and reduced waiting times. AECOM also provided a business plan and conducted a feasibility study for the project alongside construction management, quantity surveying and cost control. We also helped the client obtain aerodrome certification after construction.

High-speed Rail Urban Integration, Spain

This project involves a complex transformation of significant areas surrounding the new high speed rail connecting Spain and France. Our team has been appointed to adapt and design the railway's infrastructure to develop a modern and interconnected urban environment.

Several neighbourhoods previously divided by the railway will be integrated – Sagrera, Sant Martí and Sant Andreu – to foster social cohesion and bring economic opportunities. The plan involves the development of extensive residential, commercial and leisure spaces around the realigned overground and underground transportation network, including: high-speed railway, metro, intercity railway and bus stops. The size and technical complexity of the plan will see the project become one of Spain's urban landmarks: a strategic alliance between France and Spain's state-owned railway companies.





140
design
professionals

60
active BIM
experts

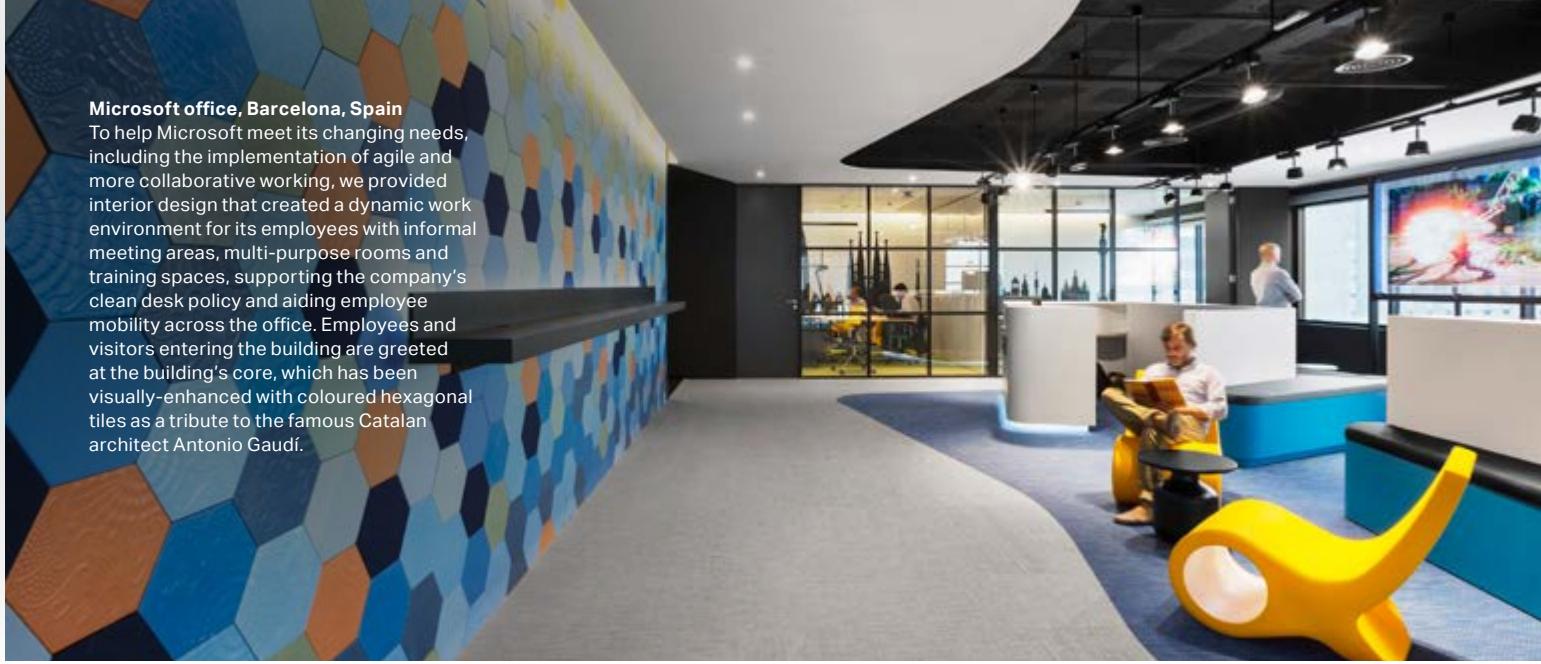
Accenture office, Madrid, Spain
Accenture global management consultancy wanted a new workspace that would enhance its brand around the themes of technology, innovation and collaboration. Both innovative and practical, the new space includes different types of meeting rooms, including a telepresence room and a large multifunctional area – all with views of the Madrid Skyline. Meanwhile the use of LED floor and wall lighting in the reception creates an inviting and engaging environment for visitors when entering the office, framing the spectacular view.



**Shaping the world
around us**

Microsoft office, Barcelona, Spain

To help Microsoft meet its changing needs, including the implementation of agile and more collaborative working, we provided interior design that created a dynamic work environment for its employees with informal meeting areas, multi-purpose rooms and training spaces, supporting the company's clean desk policy and aiding employee mobility across the office. Employees and visitors entering the building are greeted at the building's core, which has been visually-enhanced with coloured hexagonal tiles as a tribute to the famous Catalan architect Antonio Gaudí.



Buildings + Places

Whether helping deliver commercial buildings across a multi-acre site or a five-star holiday resort, our architects, engineers and designers consider each site and client's specific needs alongside technical and budget requirements, financial mechanisms, project implementation, maintenance and management and long-term impacts of the project on the community.

Our goal is to bring each client's vision to life, enhance their brand and make a positive contribution to communities. AECOM's interdisciplinary approach brings together the best creative and strategic thinkers to create a working environment where we actively collaborate with our clients, balancing good design with operational requirements.

Selected areas

- Transport architecture (aviation, rail)
- Commercial
- Leisure and hospitality
- Logistics and industrial
- Residential
- Urban planning and landscape design
- Workplace consultancy
- Interior design
- Project management and cost management
- Sustainable design

Selected services

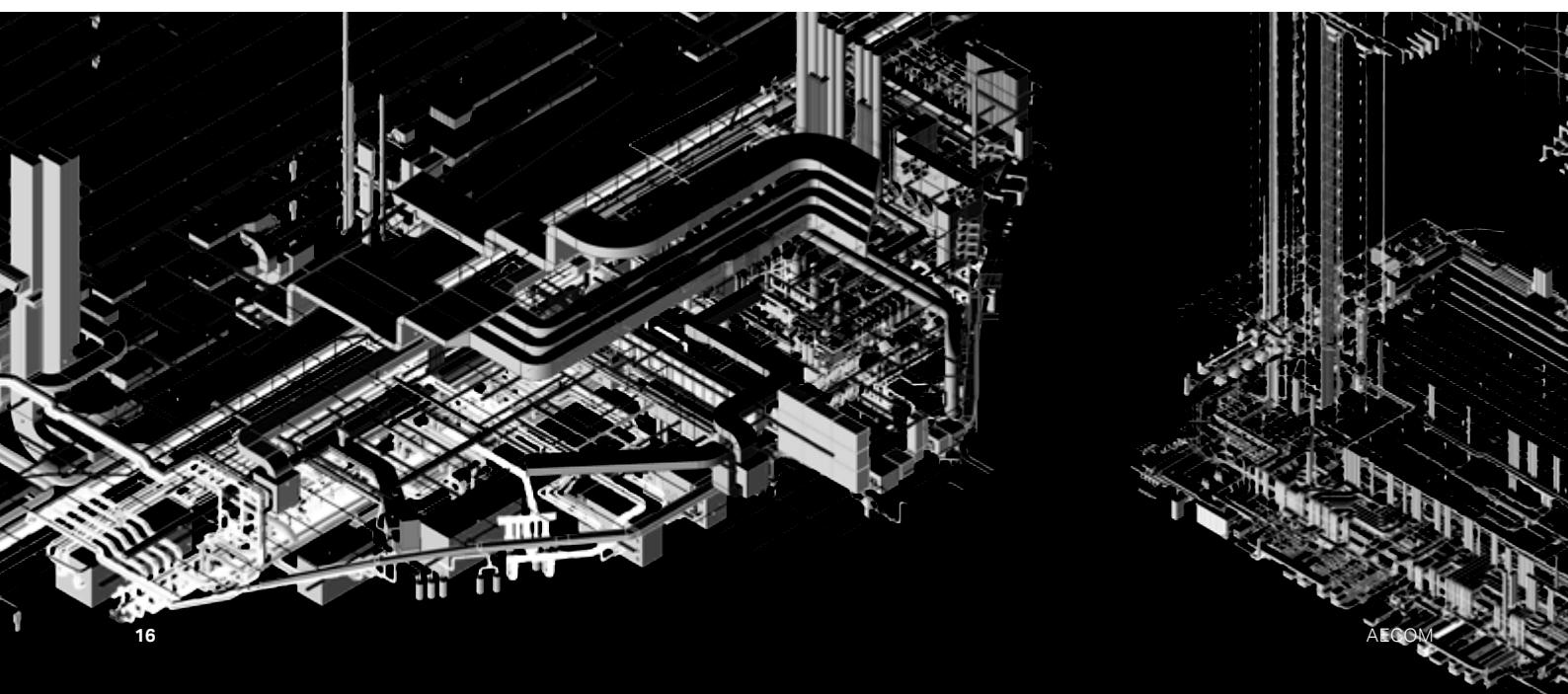
- Design (concept, preliminary, detailed design)
- Design management and multidisciplinary coordination
- Works control and site supervision
- Feasibility studies
- Technical assistance
- Consultancy analysis and reports
- Sustainability certification
- BIM management

Santander Bank Mönchengladbach, Munich, Germany

The new Santander Bank's building complex in Mönchengladbach has enough space for 1,800 employees, housing five of Santander's back office business units. Adopting an 'inside out' approach, we conducted interviews at all levels to see how best to integrate user needs. AECOM designed the workspace accordingly, focusing on an open and flexible environment that can be adapted to precisely defined work styles. More efficient use of the space and building systems should mean greater productivity and lower energy consumption. AECOM worked closely with Santander, making sure that the consulting, architecture and general planning services provided complied exactly with their requirements. Through regular meetings and workshops we facilitated fast project decision-making.

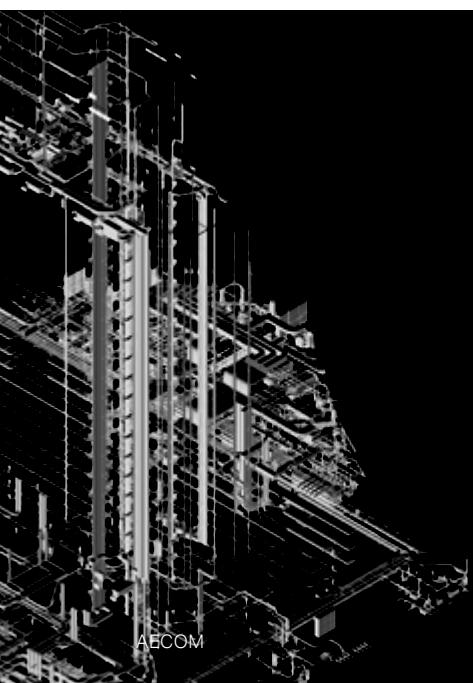






Crescent Development, Baku, Azerbaijan

AECOM's experts in Spain are providing fully-integrated mechanical, electrical and plumbing expertise alongside structural and architectural services of extraordinary technical complexity to deliver this world-class landmark in Baku. Throughout our appointment, within the ever-changing commercial, retail and residential markets, AECOM is delivering holistic technical and creative solutions that meet our client's and Azerbaijan's highest ambitions. The development will act as a catalyst for the regeneration of the city by attracting investment and employment opportunities. Covering a total area of around 450,000 square metres, this prestigious development includes luxury retail spaces, parking facilities and commercial and residential towers. An offshore 33-floor, seven-star hotel built on an artificial island just off the coast of the city is a key feature of the development.



AECOM was responsible for a wide scope of deliverables as part of the Crescent Development project, including: high security access facilities, traffic strategy, boat/helicopter arrival facilities, high MEP efficiency, wind/seismic rational structure design and construction coordination.

Through the use of BIM, MEP, architecture and structural experts were able to share information and work in continuous interactivity, resulting in a unique 3D model that stored and coordinated all necessary project information, leading to considerable savings: 40 per cent quicker management of design changes; 80 per cent quicker bill of quantities development; three per cent maximum estimated budget variation; 15 per cent cost reduction through clash detection; and 25 per cent quicker project delivery.

Environment

Our environmental services help private and public sector clients around the world balance growth with resiliency — achieving compliance and reducing, or eliminating, risks while protecting our natural environment.

We work closely with clients and communities to solve the most complex environmental challenges throughout the business lifecycle from asset development and operations optimisation to integrated product delivery.

Selected areas

- Soil and groundwater
- Impact assessments
- Water ecology
- Due diligence and EHS audit
- Decommissioning and demolition
- Acoustics
- Air quality
- Marine
- Green building
- Geospatial and geographic information systems (GIS)

Selected services

- Environmental site investigation, support and works supervision
- Ground engineering
- Quantitative risk assessments
- Assessment and permitting
- Baseline and desktop studies
- Soils and water sampling and analysis
- Inland waters bathymetry and sediment mapping
- Legacy site management
- Environmental site assessments (ASTM), environment, health and safety audits and due diligence
- Hazardous materials survey and assessment
- Odour studies
- Leak detection and repair (LDAR)
- IFC/ Equator/Green Bond principles
- BREEAM, LEED, VERDE, GSAS, EDGE



600,000m²

ground recovered

90

environmental
experts

3,500

audits and
health and
safety yearly
reports

Enhancing quality of life

Protecting water resources in power plants, Spain

Since 1978 AECOM has been working closely with the electric power industry in Spain to balance the relationship between water resources and power plant operation. Our group of scientists (limnologists) study the properties of water bodies by analysing hydrological data, physicochemical compound characteristics and living things, which each play a vital role in protecting freshwater resources. We also have an in-house physicochemical and biological laboratory located in Barcelona.

Bailín Lindane Landfill, Spain

Between 1984 and 1992 a manufacturing company dumped lindane — a type of insecticide — and other persistent organic pollutants (POPs) from its lindane production process on to its legacy lindane manufacturing facility and unlined landfill sites in Bailín Creek. The insecticide threatens to contaminate the Gallego River, which is located downstream, and widely used for irrigation and drinking water.



Since 2008 AECOM has been providing subsoil characterisation and remediation services across the sites to reduce the risk of contaminating the vital water resource. Faced with the challenge of cleaning up what is a multi-component mixture of contaminants across a complex geological setting, our multidisciplinary team is using innovative methodologies such as numerical modelling and advanced remediation tests. The project is co-funded by the EU and LIFE+ DISCOVERED.



Adolfo Suárez-Madrid Barajas Airport, Spain

To ensure Adolfo Suárez-Madrid Barajas Airport operates according to environmental protection requirements, AECOM is working with the airport to implement an environmental management system. As part of this, we are providing fully-integrated environmental services, including Environmental Management System supervision and maintenance according to ISO 14001; ACA certification (Level 2 Reduction) compliance support; Service for the Environmental Monitoring of Companies (SERCOMM) support and full environmental documentary control.

Creating new possibilities

+1000

projects

165

countries
worldwide

29

years'
experience

21,000

international experts
in our database

Educational Sector Reform in Laos

To improve the quality of the Laos educational system at all levels, AECOM is working in partnership with the EU to implement the Laos' government-approved Education and Sport Sector Development Plan (ESDP) 2016-2020. Key ESDP policy reforms include the revision of primary curriculum to address gender, language and ethnic diversity and improving teacher training, recruitment and deployment.

International Development

We deliver International Development services through dedicated practice areas, working with clients in the public and private sectors to achieve sustainable development outcomes through cost-effective, innovative and equitable activities.

We help the world respond to the extraordinary challenges of an interconnected and fast-paced international environment. Building on our private-sector relationships and multi-disciplinary expertise, we deliver integrated, comprehensive solutions to International Development challenges with integrity, transparency, accountability, innovation and reliability.

Selected areas

- Governance (public finance management, rule of law, social, public administration reform, elections)
- Economic and rural (economic development, rural development, agriculture, nutrition)
- Infrastructure (water and sanitation, climate change and environment, energy, transportation)

Selected services

- Projects and programme identification and design
- Technical assistance
- Training
- Studies
- Research and assessments
- Project management and implementation
- Institutional strengthening
- Awareness raising and communication
- Evaluation and monitoring

European Trust Fund for Peace in Colombia

To ensure stable and lasting peace in Colombia, AECOM is helping the European Union (EU) implement the European Trust Fund for Peace (EUFT) for Colombia, providing technical assistance and promoting and broadening the involvement of Colombian citizens in the peace process.







EU-funded economic diversification programme DIVECO II, Algeria

The main shortcoming of the Algerian economy is its heavy dependency on hydrocarbons: oil and gas account for 97 per cent of exports. Experts from AECOM's team in Spain are helping the EU diversify the Algerian economy through the DIVECO II economic diversification programme, focusing on fisheries and aquaculture sector. Through the programme, DIVECO aims to support the country's Ministry of Fishing and Fishery Resources in three ways:

- strengthening supervision and management of public institutions,
- promoting and developing industries,
- building the capacity of professional organisations such as Chambers of Fishing and Aquaculture.

The AECOM team has already undertaken a series of feasibility studies and analysed and evaluated legal frameworks related to fishery and aquaculture activities in Algeria. We have also helped the Algerian government design experimental fishing campaigns.

We care for our communities

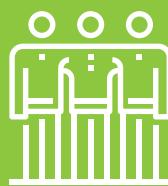
Community engagement is at the core of AECOM's Corporate Social Responsibility (CSR) programme. Our company and our employees have a long history of contributing to society and the environment by supporting pro bono, philanthropic and charitable activities in the places where we work and live — as well as in under-served communities.

We have participated in thousands of CSR projects across the globe. Social responsibility is a fundamental element of our commitment to working towards continuous improvement and responsible management of the economic, environmental and social impacts of our activities.



Blood drives

AECOM employees are active blood donors. Our offices in Europe continuously organise blood drives with the hope that our involvement will save lives.



Communities

Christmas gifts, language lessons for children, work in shelters, charity running events, or cooking fairs — these are just a few examples of how we support those in need. By getting actively involved with communities we open our minds to the challenges the world is facing.



Environment

As the leading environmental consultant in the world, we care for our surroundings. To reduce water and electricity use we run many educational campaigns to raise environmental awareness of our employees.



El Molino activity day, Spain

Twenty-six AECOM graduates from across 10 countries participated in a CSR activity day at the Centro Ocupacional El Molino in Madrid—a non-profit foundation that helps, protects and cares for the most vulnerable. Graduates worked on different tasks through the day, such as building a new path for wheelchairs, painting classrooms and gardening tasks, even playing a soccer match with people from the centre.

