



**Building a better world
through innovation,
experience and
social awareness**

150+

Countries worldwide with
AECOM presence

#1

Global design firm*

#1

Transportation*

#1

General building*

#2

Water*

#2

Power*

*Source: Engineering News Record 2014



AECOM's operations in Africa boasts permanent offices in key African countries such as Botswana, Ghana, Kenya, Libya, Mozambique, Nigeria, South Africa and Uganda.

AECOM offers enhanced services across the continent and maintains a project presence in more than 40 African countries. With top-level professionals in multiple locations, we understand Africa's specific infrastructure needs and the challenges inherent in working on the continent.

Our multidisciplinary teams of award-winning engineers, planners, architects, environmental specialists, economists, scientists, consultants, cost managers, project managers and programme managers are committed to delivering projects that improve the quality of life of African communities.

To provide practical solutions for the challenges facing Africa, AECOM serves the public and private sector alike. Key clients include national, provincial and local government

departments of housing, transport, water and public works, as well as parastatals responsible for ports and harbours, roads and railways, electricity and energy supply, and bulk water supply.

We also serve as advisor and service provider to major development finance institutions such as World Bank (WB), Development Bank of Southern Africa (DBSA), African and West African Development Bank (ADB) and (WADB), Industrial Development Corporation (IDC), Millennium Challenge Corporation (MCC), Islamic Development Bank (IDB), Economic Community of West African States (ECOWAS), Arab Fund for Economic and Social Development (AFESD), Food and Agriculture Organisation (FAO) and many bilateral donor agencies.



With a strong presence in Africa for nearly a century, AECOM is committed to improving the continent's built, natural and social environments.

Hospital Bend
Cape Town, South Africa



King Shaka International Airport
South Africa

Transportation

We understand the importance of practical, sustainable transportation methods that enable people to travel with peace of mind across cities, countries and continents. Our extensive knowledge of planning, design and management of transportation systems, as well as of the rehabilitation of aging infrastructure, will help Africa move safely into the future.

Whether for land, sea or air travel, our transportation professionals can plan, design, engineer and manage complex multidisciplinary projects. As Engineering News-Record's No. 1 worldwide design firm in transportation our transportation clients can count on AECOM to provide superior solutions to transport challenges.

As populations and economies grow, so do demands for safe, cost-effective methods of transportation. With the confidence and ability to mobilise large project teams, our transportation professionals constantly seek new ways to navigate the growing challenge of keeping Africa moving.

Our services include:

- Construction and site supervision
- Facilities design/architecture
- Feasibility/corridor studies
- Infrastructure design/operation
- Maintenance and rehabilitation
- Public transportation and planning
- Programme management
- Security and safety systems integration
- Roads and railways
- Airports, ports and harbours



Multi-award winning Spring Grove Dam
South Africa

Water

Africa's need for safe, manageable and clean water for commercial and residential use is a critical priority. We are working to develop innovative, holistic solutions to meet those needs and to find effective and economical ways to ensure that Africa's communities and businesses have access to sustainable, fresh water, and the capability to replenish and sustain this invaluable, life-giving resource.

Our services cover the spectrum of water engineering and management, from water resource development studies and the development of water storage and bulk distribution infrastructure, to the treatment and management of water and wastewater. We complement our engineering services with a robust

suite of project management, institutional development and operational support services.

Our professionals are dedicated to ensuring a clean, renewable and manageable source of water is available in even the most difficult locations and situations, and we have a successful track record in overcoming challenges such as border closings, protracted supply interruptions, civil unrest and other complications to keep our water projects on time and within budget constraints. When necessary, we work with neutral aid agencies and other concerned parties to supply water to places where it's most desperately needed.

Building Engineering

Combining our knowledge of local African markets with a global network of creative engineering and technical expertise, our sustainable, multidisciplinary approach to building engineering produces high-quality cost-effective, energy-efficient, functional, and visionary solutions.

Drawing on a worldwide portfolio of comprehensive building engineering expertise, our solutions reduce the environmental impact of facilities through the wise use of technology and resources, creating flexible spaces that deliver long-term cost and operating efficiencies.

Our experienced engineers combine their local knowledge of Africa with their technical expertise to deliver customised solutions for environmental, economic and social needs.

AECOM's global teams of structural, mechanical and electrical engineers collaborate with leading specialists in acoustics, sustainability, seismic design, fire engineering, lighting design, security, façade engineering, building forensics, energy auditing, information technology and telecommunications to deliver cost-effective, functional, innovative buildings throughout Africa.

Moses Mabhida Stadium
South Africa





Portside
South Africa

Program, Cost, Consultancy

Our experts focus on a creative, solutions-driven approach to deliver the best outcomes for clients investing in infrastructure, property and construction in a variety of markets. While our roots are in technical delivery, we always offer a strategic component created by our in-house specialists and delivered by customised client teams.

Our program, cost, consultancy (PCC) services are drawn from a vast, global pool of knowledge, creativity and technical expertise. We are ideally placed and equipped to help clients address their diverse challenges and opportunities and to deliver truly inspiring solutions and enduring legacies.

The PCC team offers the core services of cost consultancy and project management, complemented by a wide range of specialist capabilities, including access consulting; building surveying and building services; capital allowances consulting certification services; design management consulting; mixed-use master planning; people, place and performance consulting; property consultancy; specification consulting; value and risk management; sustainability consulting; and urban planning and verification services.

Our specialist capabilities add value to every stage of the development process, and continue even after project completion.

Architecture, Design and Planning & Economics

Our architects and interior design professionals help shape the world, from high-rise buildings that sculpt city skylines to educational, cultural, research and transportation facilities that enable a better way of life for the future. We strive to meet each client's goals and communities' needs so that we deliver successful buildings that are aesthetically pleasing, environmentally responsible and cost effective to construct, operate and maintain.

We provide services designed to help our clients understand their markets, assess risks and clarify the uncertainties of any development initiative, business strategy or public-policy programme.

We translate our clients' ideas — whatever the scope, objective or location — into sharply focused, economically feasible projects that address their challenges through creative thinking, structured analysis and clear, concise communications.

Driven by a process that produces energy- and water-efficient buildings to meet climate challenges, our architects incorporate natural materials where possible to maximise each site's potential.

We understand that sustainability is not only necessary, but also synonymous with good design. AECOM is proud to stay abreast of best practices through its membership with the Green Building Council of South Africa.

AECOM's Greenstar-Rated Office in the Ridgeview Building
South Africa





Jeffrey's Bay Wind Farm
south africa

Energy

As many African countries have renewable energy potential that remains largely underdeveloped, AECOM provides clients with the know-how to implement projects to improve energy generation. We maximise the positive local impacts and facilitate access to financing for energy projects.

With a 40-year history rich in efficiency and sustainable design, transmission and distribution, including power grid connection and thermal power generation, we combine our depth and breadth of expertise with our local knowledge to meet the needs of each project — no matter the type or size.

We help clients increase electricity supply by rationalising the use of renewable energy resources such as wind, solar and water.

Our services cover all aspects of a project — from pre-feasibility and feasibility studies, detailed engineering and project management, to tender documents, construction supervision and commissioning.

Environment

We understand the need to create, enhance and sustain Africa's natural, built and social environments as we seek to improve the lives of people and contribute to the development of the continent.

Our professionals deliver comprehensive solutions to environmental challenges associated with regulatory, business and operational concerns. We address environmental health and safety management, compliance and permitting issues associated with air quality, water, natural resources, habitat protection, site remediation and restoration, and waste.

Our professional services also include management plans and systems for the storage, collection and disposal of solid waste for domestic and industrial purposes.

While our global environmental team delivers consulting engineering, impact assessment and risk management services to private industry and government organisations, we also focus on societal and stakeholder issues surrounding each project.

AECOM's scientists, engineers and project managers implement sustainable solutions that restore contaminated land and water, enhance air and water quality, reduce waste, address climate change issues, protect public health and safeguard the environment so future generations can enjoy a better quality of life.

Worcester Wastewater Treatment Works
South Africa





New Multi Product Pipeline (NMPP) project
South Africa

Oil + Gas

With ever-increasing demands for oil and gas, AECOM understands how these resources can be used strategically to help accelerate growth in net-importing and exporting African countries. We allocate specialised teams to help African governments and major operators in the oil and gas industry in their decision making, planning and infrastructure development and management to optimise the production and benefits associated with oil and gas. Tied to this is our commitment to ensuring development is cost-effective, safe and environmentally responsible.

Our services range from initial acquisition, due diligence, feasibility evaluation, permitting, development planning and engineering design work, to operations and maintenance assistance, final demolition and remediation.

12

We deliver on discrete assignments that include economic analyses and programme cost consulting for site development; comprehensive services in oil and gas pipelines; support for exploration and production, marine terminal and shale gas/oil sands projects; environmental, health and safety permitting, compliance and monitoring; and technological solutions for upgraded wastewater management and treatment.

We employ tested, proven and innovative methods and best management practices gleaned from our experience on oil and gas projects worldwide to improve performance and add business value.

Mining + Metals

Our experts work across the life cycle of a mining project, delivering new projects or expanding existing operations across some of the world's richest resource regions. With a focus on safety, our teams provide services from concept to feasibility to full engineering, procurement and construction management (EPCM) for underground and open pit mines, including surface infrastructure and processing facilities in base metals, iron ore and coal.

By applying lessons learned from teams across AECOM's worldwide network, we ensure that we stay at the forefront of the latest tools, technologies and management systems. We partner with our clients to develop environmental strategies that minimise regulatory delays and environmental compliance costs, creating solutions that

satisfy regulatory processes for the mining industry.

AECOM has been involved in several major mining projects and specialises in providing consulting engineering services for the design and construction monitoring of infrastructure at mining sites. We provide our global mining clients with a variety of mining services, including bulk earthworks, plant and haul roads, railway sidings, water supply, storage and reticulation, water purification plants, sewerage reticulation and treatment plants, stormwater reticulation, including pollution control dams; structural concrete and foundations design for load-out silos, stackers and reclaimers; conveyors, buildings, crushers and other plant facilities. Our services also include environmental and geotechnical studies and investigations.

Impala platinum mine
South Africa



Programme management

From creation to completion, AECOM effectively and efficiently applies creative solutions to manage and minimise risks.

As a globally recognised, skilled leader in our field, AECOM uses client-focused strategies to successfully manage large-scale projects in transportation, infrastructure, environmental schemes, facilities, mining and minerals, and energy installations.

As one of the largest programme management firms in the world, our services include:

- Strategic programme management, contracting and procurement solutions and alternative financing methods
- Alliance contracting
- Web-based programme management control systems and quality programmes
- Capital cost control
- Safety and health
- Value engineering
- Financial/budget control
- Sustainability
- Dispute avoidance and resolution
- Schedule management and control
- Knowledge transfer and training

Public-Private Partnerships

Our global team of multidisciplinary professionals have been involved in a significant number of public-private partnership (PPP) projects and other projects where certain project risks are transferred to the private sector.

We offer professional services, advice and extensive experience to either the public or the private party for PPP projects. As such, we provide transaction or technical advisory services to the public party during the initial feasibility study and project development phases.

We also assist by serving as the independent certifier/engineer,

independent socio-economic development monitor, or independent environmental control person to both the public and the private party during the construction, operation and maintenance phases of PPP projects.

Through the various phases of a PPP project, we also provide advisory services to lenders acting as the lender's technical advisor. Following contractual close-out, we assist the public party with the preparation of contract management plans to enforce, monitor and regulate the PPP project in accordance with the requirements of the PPP contract agreements.



**AECOM uses client-focused
strategies to successfully
manage large-scale projects**



25-year integrated transport masterplan for Gauteng
South Africa

Government and Public Works

Our teams work closely with governments, humanitarian organisations and other agencies to provide specialised advisory services to design and implement initiatives that improve the quality of life for all people in Africa.

We help national governments institute policies that benefit good governance and economic growth. Over the past two decades, we supported peace-building efforts in Sudan, Burundi, Uganda and Senegal led by international government. We also promoted effective economic reform in Ghana and Zambia.

Our services include:

- Public policy and economic institutions
- Business climate and trade competitiveness
- Democracy and governance
- Support of peacekeeping missions and humanitarian response efforts
- Training and advisory services
- Industrial and commercial area development
- Environment, water and regional development

Construction Services

We deliver programme and construction management services from project concept to completion and commissioning.

Our construction services team offers clients a single, unified and comprehensive source of solutions backed by AECOM's local knowledge and global expertise.

As a project progresses or increases in complexity, we customise our services to address each client's unique needs and requirements.

Our suite of services covers every aspect of a construction project, from design to completion, including:

- Constructability reviews
- Value engineering
- Cost estimating
- Scheduling
- Tender processing and procurement
- Field supervision
- Safety programmes
- Quality control
- Cost control
- Closeout and warranty procedures
- Building commissioning

**Fairscape Precinct
Botswana**



AECOM is committed to the principles of good governance and corporate citizenship.

Corporate Citizenship

AECOM works in harmony with the communities in which it operates. As a good corporate citizen, AECOM's Corporate Social Investment initiatives focus on:

Uplifting disadvantaged communities

Accepting that sustainable development begins with satisfying basic human needs, we support a range of charitable causes such as shelters for the homeless; homes for the disabled, orphaned and elderly citizens.

Growing the pipeline of engineers and technicians for a skills-scarce Africa

Many people in Africa face development challenges, such as a lack of water and energy security; insufficient and inadequate housing; and a lack of safe and reliable modes of transportation. Solutions to these challenges call for both financial resources and sufficient engineering expertise to plan, design, programme and build the required infrastructure.

AECOM is committed to the principles of good governance and corporate citizenship. As an industry leader that houses a range of built environment professionals, we invest the precious resources of time and money into improving people's quality of life.

In doing so, we have:

- The AECOM SA bursary scheme: We annually award merit bursaries to fund full-time undergraduate students in engineering-related studies at accredited universities. Graduate bursaries are also available to employees in good standing who wish to specialise at the Master's degree level.
- FutureNow is an annual in-house, structured mentoring programme for young graduate engineers who are on the road to professional registration. The programme combines coaching, goal-setting and knowledge transfer to develop world-class professionals that adopt a sound work ethic of quality and excellence for the benefit of the clients that we serve. As a completion requirement of the FutureNow programme, staff members participate in community outreach programmes through the annual Make a Difference (MAD) project, which is designed to benefit disadvantaged societies and communities.



AECOM supports Consulting Engineers South Africa (CESA's) 'School Talk' initiative at Bokgoni Technical High School in Pretoria, South Africa

