

AECOM

Create. Enhance. Sustain.

AECOM is a global professional services firm providing integrated design, planning, engineering, environment and program management services to broad range of markets. Formed from some of the world's leading consultancies, including EDAW, DMJM, ERA and many more, we are configured to address the complex challenges facing our clients as they embark on projects involving land, community or infrastructure. Our purpose is to enhance and sustain the world's built, natural and social environments.

AECOM's presence spans 100 countries with the skills of 43,000 dedicated and specialized professionals. We focus this expertise as needed for projects of all scales, assembling the combination that best suits the individual task and site. We blend global knowledge, local experience, technical excellence, innovation and creativity to offer our clients unparalleled possibilities.

How will we design the smart cities of the future? How will we manage and conserve natural resources? How will we reimagine infrastructure? How will we mitigate climate change? AECOM is making deep connections across disciplines to forge new responses for a complex world. Our project teams can address every layer of a site and every phase of its development through a collaborative, systemic approach. Our work bridges grey infrastructure and green infrastructure, land and buildings, economy and ecology, society and nature.

AECOM capabilities include:

- Architecture
- Building Engineering
- Design + Planning
- Economics
- Energy
- Environment
- Government Services
- Program + Construction Management
- Transportation
- Water

Planning, Design + Development

AECOM creates a holistic approach to placemaking by integrating our capabilities in Architecture, Building Engineering, Design + Planning, Economics and Program + Construction Management. We are architects, interior designers, economists, engineers, environmental and ecological planners, landscape architects, urban planners and designers, and program and construction managers. Through the integrated delivery of our services, we enable clients to transform sites into successful, sustainable, distinctive places, from the scale of a building, to a community, campus or city, to a natural system, to an entire region.

Architecture

Our architects and interior designers are creating high performance buildings that integrate with their environmental and social contexts. From educational, civic and cultural institutions, to transportation facilities and leisure destinations, all of our buildings seek a balance between art and technology, form and function, beauty and purpose, vision and performance. Working across a wide range of markets, we understand client goals and community needs, ensuring that we deliver successful buildings that are enjoyable, responsible, and cost-effective to construct, operate and maintain. We integrate environmental, economic and social sustainability into every project.

Our design process is rooted in producing buildings that are energy and water efficient, that incorporate the careful use of natural materials and that maximize the potential of the site. We are reinventing the master architect with a view towards a smarter built environment.

AECOM's Architecture practice is built on the expertise of many firms, including DMJM, Spillis Candela, HSMM, CityMark in China, Cansult Maunsell in the Middle East, and Maunsell in Australia and New Zealand. In October 2009, Ellerbe Becket joined us, practicing as AECOM Ellerbe Becket.

Building Engineering

Our sustainable, multidisciplinary approach to building engineering design sets AECOM apart. By integrating creative engineering with a clear understanding of the key issues of cost, quality and program, we deliver solutions of all scale and complexity. Drawing on a worldwide portfolio of comprehensive building engineering expertise, our design solutions reduce the environmental impact of buildings through the wise use of technology and resources, creating flexible spaces that deliver long-term efficiency.

Our experienced engineers and scientists combine local market knowledge with world-class technical expertise. Global teams of structural, mechanical and electrical engineers, together with leading specialists in acoustics, sustainability, seismic design, fire engineering, security, façade engineering, building forensics, energy auditing, information technology and telecommunications, collaborate to deliver cost-effective, functional, innovative buildings.

Design + Planning

In October 2009, EDAW became Design + Planning at AECOM. Dedicated to responsible and productive use of the land, we create, enhance, restore and steward urban and natural environments. We work at all scales and in all contexts, from vernal pool to metropolis. Our collaborative approach integrates Landscape Architecture + Urban Design, Masterplanning, Environmental + Ecological Planning, and Strategic Planning.

Some of our clients are private developers creating communities or destinations. Others are national and local governments seeking to manage their natural and cultural resources. Others are agencies empowered to create amenities like parks or to regenerate communities, cities, regions. Whether detailed designs, physical plans, or broad policy frameworks, AECOM's Design + Planning practice offers implementable solutions that promote sustainable use of resources and enhance quality of life.

With studios throughout the world, we have a long-standing investment in the urban grain, natural systems and cultural milieu of many geographies. From developing climate action plans for local

governments in the American west, to designing urban parks in the heart of Tokyo, Barcelona and Boston, to regenerating communities in London, Manchester, and Denver, our work fosters positive change. In 2009, the American Society of Landscape Architects awarded us with its Firm Award, the highest honor the society gives to a practice.

Economics

AECOM brings unparalleled experience in economic consulting. We provide analysis that informs successful land development decisions and courses of action. Our services are designed to help our clients understand their markets, assess risks and clarify the uncertainties inherent in any development initiative, business strategy or public policy initiative.

Our job is to pull ideas into focus, and to sharpen the boundaries of a preliminary plan or concept. Our services include Economic Planning and Real Estate, Entertainment and Leisure, Hotels and Resorts, Capital Facilities Planning, and Socio-economic Development.

AECOM has made important contributions to some of the world's most innovative and successful projects. We fashion project teams with the expertise that precisely suits the challenge at hand. We understand our client's vision—whatever the scope, objective or location—and address your challenges through creative thinking and structured analysis.

Program + Construction Management

Throughout a program's entire life cycle, our experts have the skills and knowledge to manage risk and apply creative problem solving at every stage. Our spectrum of work includes funding and financing; development and planning; design; procurement and tendering; staging and sequencing; and operations and maintenance.

Working on large-scale projects in areas including transportation/infrastructure, environmental schemes, facilities, mining and minerals, and energy installations, our teams are recognized as skilled leaders in their field with robust client-focused systems.

As one of the largest program management firms in the world, our seamless collaboration and integration with clients provide expertise including:

- strategic contracting and
- procurement solutions and
- alternative financing methods
- alliance contracting
- Web-based program management
- control systems
- quality programs
- capital cost control
- safety and health
- value engineering
- financial/budget control
- sustainability

- dispute avoidance and resolution
- schedule management and control
- knowledge transfer and training

Sustainability

Sustainability demands whole-systems understanding and interdisciplinary collaboration across Architecture, Design + Planning, Economics, Building Engineering, and Program + Construction Management. It also demands that client goals, project site context, and sustainability targets be examined by the whole project team at the outset of the work. Our specialized sustainability consultants lead project teams experienced in integrated planning and building processes, utilizing the most effective techniques and technologies.

Our capabilities provide for a range of sustainable outcomes. Our strategic planners help local governments develop strategies to reduce their carbon footprints. Our economists inform a higher and more even quality of life for communities. Our environmental + ecological planners conserve open space, protect biodiversity, restore habitat, support renewable energy development, and manage natural resources. Our masterplanners create inherently more sustainable communities by encouraging dense, mixed-use development correlated with mass transit, pedestrian connectivity, and open space. Our architects and building engineers deliver high-performance buildings tailored to their contexts. Our landscape architects and urban designers design low-impact landscapes. Our program + construction managers maintain and advance sustainable agendas as projects are implemented.

We have created and are using the Sustainable Systems Integration Model™ (SSIM™), which quantifies performance versus cost across a variety of sustainability indicators, addressing Water, Energy, Green-building, Economics, Transit, Society + Culture, and Site + Ecology, to determine the optimal sustainable development plan for communities and campuses.

It is in our total placemaking offer that we see the potential to do the most good. In a time of climate change, ecological degradation, resource scarcity, and socioeconomic disparity, we are positioned to create communities, environments and buildings that point in a low-carbon, environmentally responsible, socially equitable direction. Our colleagues in Water, Energy, Transportation and Environment deliver sustainable infrastructure to support these places.

Sustainable Planning, Design + Development services include:

- Climate action planning
- High-performance buildings
- Low-impact landscapes
- Water Resources Planning
- Renewable Energy Siting
- Ecological Restoration
- Natural Resources Management
- Land Use Planning
- Sustainable Communities
- Transit Oriented Development
- Transit Line Siting

- Sustainability Modeling

The Economics practice at AECOM

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Economic Planning + Real Estate

We understand urban growth and development economics. AECOM helps create the economic and policy framework for urban plans and redevelopment projects, real estate development initiatives, and growth and economic-development strategies.

Our work is often concerned with balancing the public sector's policy objectives with the private sector's investment requirements, in the context of a complex public decision-making process. In real estate, we work with clients in complex settings to enable them to invest in, develop, and manage profitable real estate ventures. Development firms, financial institutions, investors, and corporations, educational institutions, and public entities, rely on our advice and counsel.

Entertainment + Leisure

AECOM's experience in economic planning for major recreation destinations is unequalled in the industry. For over 50 years our assignments have resulted in pragmatic and creative action plans for the development, marketing, and management of recreation, entertainment, and tourism projects. Our experience encompasses virtually every aspect of leisure-time activity. Projects include a wide range of attractions, including major theme parks, urban entertainment centers, zoos, aquariums, sports and convention facilities, museums, expositions, and fairs, corporate visitor centers, specialty entertainment facilities, clubs and parks. We provide advice and guidance to more commercial recreation attractions than any other firm.

We also assist tourism and recreation providers in the strategic marketing and economic planning of local, regional, and national recreation facilities and in developing economic self-sufficiency in facility operations, revenue generation, recreation programs, and concessions management.
Hotels + Resorts

We provide economic research and analysis for leisure-oriented real estate development. We partner with clients on some of the most innovative and widely recognized hotel and resort projects in the world's most compelling locations. Our clients include leading public and private development companies, lenders and equity investors, management companies, land owners and public agencies. Increasingly, our work involves integrated resorts, which offer a broad range of operating and real estate components, and are designed to maximize the visitor experience and investment performance.

Capital Facilities Planning

AECOM provides specialized support to planning and design teams and decision-makers in the areas of cost and risk analysis. We have developed state-of-the-art cost modeling software tools

designed to help our clients make sound investment decisions related to their facilities, environmental, transportation, and utility infrastructure projects.

These proprietary tools--PACES, RACER, and TRACER--are based on a parametric cost estimating approach and combine accuracy, flexibility and ease of use with detailed reporting capabilities. We augment these software tools with value-added consulting services focused on the financial aspects of project programming, asset management, condition assessment, risk analysis, planning, and the overall execution of construction and real estate development projects.