

Managing complexity, building better lives.





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About this report

AECOM's latest sustainability report illustrates the company's commitment to providing stakeholders with long-term solutions in a complex and oftentimes unpredictable global environment. Reflecting the breadth and depth of our employees' expertise, this report presents a broad mix of our key projects and initiatives designed to improve lives around the world.

Released in May 2014, this report covers AECOM's fiscal year ending September 30, 2013, including details of the company's direct operations, and those companies we have acquired, or others still in the process of integrating, and does not replicate any previously used information.

Global Reporting Initiative

This is the third AECOM sustainability report in which we reference the Global Reporting Initiative (GRI) guidelines. While we are not yet reporting at the Core level as set forth in the new G4 Guidelines, a GRI Index is included at the end of this report for reference.

Profile and economic impact

For fiscal year 2013, AECOM reported \$8.2 billion in revenue, \$377 million in operating income, earnings per share equal to \$2.35 and free cash flow of \$356 million.

Total backlog was \$16.6 billion and the company invested \$373 million to repurchase 14.4 million shares during the fiscal year.

For more for more financial information, please see our 10-K located on our [Investors page](#) on AECOM.com.

Purpose and core values

Continuing a long legacy of excellence in architecture, engineering, design and program management, AECOM's global team of experts remains united by our [Core Values](#) and shared purpose — to create, enhance and sustain the world's built, natural and social environments. Ranging from innovation and integrity to safety and agility, our Core Values are the foundation of who we are, what we do and how we do it. Equally fundamental to AECOM's success is the way in which our employees integrate sustainability into every aspect of our business, contributing to our ultimate goal of improving communities around the world.



AECOM helped transform Weishan Lake Wetland Park in Shandong Province, China, into a tourist attraction that balances conservation and development.



Fiscal year 2013 highlights



The community

- AECOM's 2013 employee and company donations to charitable and philanthropic organizations globally totaled more than US\$5.1 million.
- 79% of employees believe AECOM is socially responsible in the community.
- The company received the American Business Awards' Gold Stevie® for Corporate Social Responsibility Program of the Year for enterprises with more than 2,500 employees.
- 76% of employees believe their manager is supportive of corporate social responsibility.

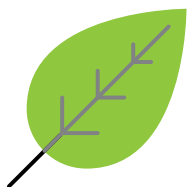


Our culture

- The Ethisphere Institute again names AECOM one of the World's Most Ethical Companies (fourth-consecutive year).
- The company launched its "Safety for Life" program, which helped AECOM reduce its total recordable injury rate by 22 percent.
- AECOM won the "Best Overall Governance, Compliance and Ethics (small to mid-cap)" award from Corporate Secretary magazine.
- Readers of Diversity/Careers in Engineering and Information Technology named AECOM a 2013 "Best Diversity Company" (sixth-consecutive year).
- AECOM recently won two 2013 International Business Awards in the Health, Safety and Environment Program of the Year category for Asia and Australia New Zealand (Gold), as well as Canada and the United States (Silver).
- AECOM earned the top spot among U.S. engineering and construction firms on the Human Rights Campaign Foundation's Corporate Equality Index, a rating of corporate American businesses on lesbian, gay, bisexual and transgender (LGBT) workplace equality (third-consecutive year).
- The company was named Employer of the Year for large companies as part of the 2012 Chartered Institution of Building Services Engineers Young Engineers' Awards in London.

[Click here for a full listing of the company's FY13 awards.](#)





Environmental impact

- *Newsweek* named AECOM one of the Top 500 Greenest Companies (fifth consecutive year).
- Every office in North America transitioned to 30-percent recycled paper and a new printing program, enabling AECOM to save 729 tons of material paper weight.
- 84% of employees believe that AECOM is an environmentally responsible company.
- The *Climate Change Business Journal* Awards acknowledged AECOM's Climate Resilience study in Australia for Queensland's Urban Utilities.



Engineering and development

- *Engineering News-Record's* Top 500 Design Firms survey ranks AECOM no. 1 design firm (fifth-consecutive year).
- Professional Woman's Magazine named AECOM Top STEM company in its 2014 Best of the Best List.
- Tishman Construction, an AECOM company, oversaw the installation of the final two sections of One World Trade Center's 408-foot (124-meter) spire in New York City, which brings the tower's height to 1,776 feet (541 meters) — making it the tallest building in the Western Hemisphere.
- The New Port project in Doha, Qatar, reached the safety milestone of achieving 10 million hours worked without experiencing a lost-time incident.
- For the second-consecutive year, AECOM was ranked as the leading tunneling consultant in Asia according to *Tunnels & Tunneling International* magazine.

AECOM's annual Excellence Awards celebrate outstanding client projects and business achievements across the company, encouraging employees to push the boundaries of conventional solutions. Click the image to see what projects were recognized for fiscal year 2013.





A message from our President and CEO

I am proud to present AECOM's third global sustainability report, *Managing complexity, building better lives*, which illustrates the actions we've taken during the last year to bring our sustainability commitment to life.

Our 45,000 professionals are passionate about helping our clients manage complex resource and infrastructure challenges, and this report presents details regarding the solutions we provide for our clients, our industry and the world. By focusing on delivering excellence in everything we do, we create innovative solutions that help our clients and the world at large achieve short- and long-term goals in the most sustainable ways possible. This means taking our thinking a step further beyond solely meeting project requirements and growing our business. We are also helping clients meet undefined needs that secure business continuity, reduce their impact on the environment, and improve the lives of our work's end users.

And we assess our own global operations on a yearly basis to ensure that we are working toward our goal of reducing our carbon footprint — and to identify additional areas where improvements can be made.

We believe that empowering employees to make the right decisions is a responsibility that should be taken seriously by every company. And our designation as one of the "World's Most Ethical Companies" by the Ethisphere Institute for the fourth-consecutive year reflects our efforts in this area. It's also worth noting that we won two 2013 International Business Awards in the "Health, Safety and Environment Program of the Year" category for our work in Asia, Australia and New Zealand, Canada and the United States.

This report also showcases our work on some of the world's most complex projects.

- The Masdar Siemens Headquarters in Masdar City, Abu Dhabi, is the first Leadership in Energy and Environmental design project in the United Arab Emirates with a Platinum rating.
- We were selected as a finalist in the "River of Life" competition to further develop our master plan submission to rejuvenate the Klang River and its surrounding area into an iconic waterway — facilitating the continued growth of Kuala Lumpur, Malaysia.

- AECOM analyzed the potential long-term implications of climate change and population growth on the Federal Emergency Management Agency's National Flood Insurance Program in the United States.
- Our work on South Africa's Strumosa Urban Agriculture and Waste Education Centre incorporates an interconnected system optimizing the use of waste and water to create jobs, improve the livelihood of local community members and boost the country's economy in the long term.
- Australia's Townsville Port Access Road aims to support significant regional economic development over the next 20 to 25 years.
- Our design on the University of Nottingham's Energy Technologies Building helped to establish the low-carbon building as the first laboratory complex in Britain with a sustainability rating of BREEAM Outstanding.

The work we do as a company, coupled with our corporate social responsibility efforts, provides us with the privilege of touching the lives of millions of people every day. In partnership with organizations such as the ACE Mentor Program, Engineers Without Borders, the International Red Cross, we have provided financial support and our employees have volunteered thousands of hours throughout the year in support of AECOM's commitment to making the world a better place. In 2013, AECOM donated more than US\$5.1 million to charitable and philanthropic organizations globally, and looks forward to supporting key organizations in the coming years.

Thank you for supporting us as we focus on providing comprehensive, long-term solutions that help communities and clients adapt to a rapidly evolving world.

Best regards,

Mike Burke
President and Chief Executive Officer



Perspectives from our Chief Sustainability Officer

I am proud to present to you AECOM's 2013 global sustainability report, which documents the advancements we've made during the past year in processes, project work and spreading our understanding of the various systems involved with sustainability.

In last year's report, we examined our strategic approach to managing the complexity of the interactions between economic, natural, social and human capital — focusing on helping our clients advance human progress with less risk. In addition to broadening our understanding of sustainability across the company, we evaluated our direct impact on the world by undertaking our first comprehensive, company-wide assessment of the greenhouse gas emissions resulting from our operations.

In 2013, beyond factoring in the impacts of greenhouse gases and climate adaptation, we became even more mindful that providing an ever-changing, growing urban population with clean energy, clean water, healthy nutrition and a secure environment, as well as long-lasting, reliable infrastructure and shelter is the defining challenge of our time.

Our employees thrive on unraveling the complexities of these global challenges — partnering with clients to ensure that meeting their near-term objectives will not ultimately compromise their ability to realize long-term value creation. The present and future effects of our decisions are something we must always consider — whether we are restoring infrastructure, developing new capacity, protecting natural capital or creating new human settlements. Understanding and managing the myriad, complex interactions between systems is critical if we are to optimize returns on investment.

More and more, our experts are collaborating around the globe to maximize the value of the sustainable solutions we deliver to our clients. We successfully boosted our efforts to integrate sustainability into the fabric of AECOM's culture. Furthermore, through the passions and interests of our own people, AECOM has become even more engaged in bettering the lives of people around the world through corporate giving, in-kind donations and volunteer efforts.

These initiatives, as well as our global commitment to excellence, ethics and safety played a key role in the company's overall development. I am eager to report that we have again made progress on all of the sustainability objectives we set last year. However, we also recognize that there are still improvements that can be made by all of us — AECOM, our clients and our communities — and we will not stop in our efforts to continue to learn and improve.

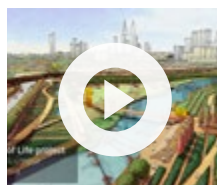
Just as this report continues to showcase AECOM's efforts to achieve our improvements in sustainability each year, it will also highlight how we become increasingly effective at meeting the needs of our clients, improving the lives of people around the world, and securing a better future for all.

And as we do so, we will be mindful that the decisions we make today must not compromise our hopes for a successful future for all.

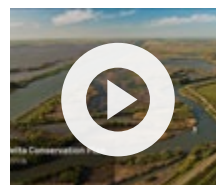
Regards,

Gary Lawrence
Vice President and Chief Sustainability Officer

Click on the videos below for more information.



Managing complexity,
building better lives



Leveraging better
outcomes



Goals of AECOM's
annual sustainability
report

At AECOM, we're always looking to improve our processes and operations. Please click on the icon to take a brief four-question survey.





Our approach to sustainability

Securing a better future

AECOM's vision for a better future drives all of our work, and forms the foundation of how we operate as a company. We understand that the decisions we make and the actions we take today will shape the quality of life for future generations. Whether it is through the services we provide to clients, how we operate as a business, or how we support our volunteer efforts in communities around the world, placing sustainability at the forefront of every initiative we pursue is inherent in our company's culture.

This commitment is integral to attracting and retaining professionals who are dedicated to building better lives around the world by tackling issues that, if left unaddressed, could compromise the world's future security. These include climate change, poverty, unreliable infrastructure and shelter, resource scarcity, environmental damage and inequity.

We strive to anticipate our clients' needs and provide comprehensive solutions that incorporate value creation, efficient use of scarce resources, and opportunities for future success.

Enhancing value for our stakeholders

AECOM is dedicated to enhancing value not only for our clients and employees, but also for all of our partners who directly influence our business. We work with a wide range of stakeholders, such as employees, nongovernmental organizations (NGOs) and vendors, to achieve a common set of goals:

- As we work to attract and retain the best and brightest talent, we continue to focus on the philanthropic and sustainability issues that our **employees** care about.
- AECOM offers our **NGO partners** an unmatched combination of technical expertise and in-kind donations, while they provide us with opportunities to align with our core values and influence the public regarding the importance of the global issues that our work addresses.
- In addition to business support, we offer our **vendors** guidance in sustaining long-term value through initiatives such as our recent Strategic Partner Sustainability Assessment — which also helps AECOM manage its supply chain sustainability while furthering its own commitment to economic, environmental, social and governance issues.

Our approach to sustainability is centered on skillfully navigating social, economic and political climates to provide the most appropriate solutions for our stakeholders. Understanding the interconnected relationships we have with our indirect stakeholders — such as the media and general public and policymakers — is also another important part of this approach. Understanding how we impact various sectors of society provides us with a heightened perception of sustainability.

This broad view enhances our long-term strategy as we seek to encourage our direct and indirect stakeholders to partner with us in providing resource and infrastructure solutions for a rapidly transforming world.



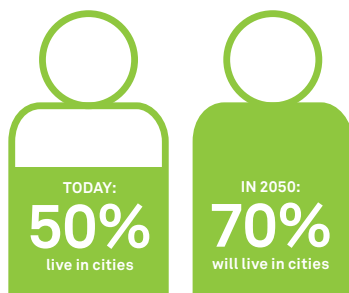
Google+ Hangout — Sustainability, Ethics and Corporate Social Responsibility: This Google+ Hangout features thought leaders across AECOM as they explore emerging trends in global sustainability reporting and discuss the importance of charitable and philanthropic efforts in addressing world issues.

Planning for a changing global context

Half of humanity currently lives in cities, and, by 2050, that proportion is expected to rise to 70 percent. In many countries, populations are aging, and there is an increasing need to address growing resource scarcity and the impacts of global climate changes. At AECOM, we are continually transforming our approach to project delivery to better address these rapidly changing dynamics and to enhance sustainability.

- **Aging Populations:** To accommodate the aging populations in many countries, we are constructing urban spaces that will better serve these diverse groups in the future. Carefully planning transportation infrastructure is a key factor to developing sustainable cities that can accommodate an aging population that increasingly requires improved mobility access. In addition, as our specialists are called upon to design a growing number of senior care facilities, we recognize the importance of creating and maintaining environments where care and independent living can be maximized.

- **Resource Scarcity:** The world's growing population is rapidly consuming energy, food and potable water at rates that exceed production and replenishment. Focused on sustaining economically viable cities around the globe, AECOM applies an integrated approach to analysis and problem-solving that is critical to conserving these scarce, interrelated resources.
- **Rapid urbanization:** Globally, many countries struggle to balance rapid urbanization, aggressive resource consumption and climate change — all effects of a growing population. At AECOM, we continue to focus on incorporating such considerations into our designs, including mitigation of greenhouse gas emissions and developing environmentally friendly projects to reduce environmental impacts.
- **Disaster Preparedness:** As our global team of experts works to transform the built environment, climate change is a primary consideration when assessing the feasibility and sustainability of our projects. Considerations such as sea level changes, urban sprawl into more environmentally sensitive areas, loss of natural buffers and other effects of growth need to be factored into the planning and design of the infrastructure in these increasingly sensitive areas so as to enable the infrastructure to better withstand the negative impacts of such changes.



Half of humanity currently lives in cities, and, by 2050, that proportion is expected to rise to 70 percent.

For more from AECOM on thought leadership surrounding cities, please visit a recently released SlideShare presentation named "From Vulnerable to Resilient Cities."



Aiming to help Philadelphia, Pennsylvania, United States, reach its goal to become the "Greenest City in America," AECOM's Gary Lawrence, vice president and chief sustainability officer; Mark Gander, technical leader, transportation; and Bijan Pashanamaei, district general manager, Keystone district, Americas, partnered with the World Business Council for Sustainable Development to create a report named "A solutions landscape for Philadelphia."



AECOM hosted a Twitter Chat exploring integrated solutions for complex issues related to the food-water-energy security nexus. The chat featured AECOM's Gary Lawrence (@CSO_AECOM), chief sustainability officer and vice president at AECOM, and Michele Ferenz (@MicheleFerenz), director of the Food, Water and Energy Nexus Program at the EastWest Institute.



People

Our people — the approximately 45,000 professionals dedicated to building better lives in more than 150 countries — drive the success of our company. While business results are a critical measure of our success, how we achieve those results is every bit as important. Every project we deliver reflects the depth and breadth of the knowledge, skills, passion, excellence and integrity that characterize AECOM's diverse workforce. And most important, our employees remain committed to providing client services ethically and in compliance with the law every day. Whether through the services we provide or our volunteer efforts, AECOM remains dedicated to our purpose — to create, enhance and sustain the world's built, natural and social environments.

“Most people distrust any plan perceived as drawn up without public process by experts they’ve never met. ... A plan created with the community, rather than for them, has built in the public’s support, and stands a better chance of benefiting everyone involved in its implementation.”

Barbara Faga, AECOM urban designer and principal, design + planning



AECOM Fellow Barbara Faga, considered a leader in advocacy and participatory planning processes, discusses her 30-year career as an author, professor and professional urban planner.

Barbara Faga worked on AECOM's Diagonal Mar project (left and below), which brought a unique concept to Barcelona, Spain, combining hotel, retail, housing and offices into one planned community covering the equivalent of 15 city blocks. The coastal strip was zoned for new tourist and residential functions, including the creation of the Olympic Village and a series of artificial beaches. The Diagonal Mar shopping center, the largest in the country, brought American retailing concepts to the city, combining shopping with leisure and entertainment.



Engaging our stakeholders

At AECOM, we understand that effective stakeholder engagement is key to fulfilling our goal to be recognized as the true global leader of professional services by our clients, the place to grow professionally by employees, and a valuable investment by our shareholders.

AECOM, as well as our partners, considers a robust sustainability strategy to be a fundamental element to our long-term business success. This is why we continuously

evaluate our framework to ensure that our projects, as well as our economic, social and environmental efforts best serve our customers, employees and business partners. As outlined in the table below, throughout fiscal year 2013, we solicited feedback on our sustainability reporting through executive leadership interviews, surveyed our vendors on their sustainability efforts, and established employee cohorts to further integrate sustainability and innovation into the fabric of our company.

Direct stakeholder groups	Methods of engagement	Focus
AECOM senior leadership	- Interviews	- Incorporating sustainability into project delivery - Enhancing business development efforts
Clients	- Interviews	- Measurable outcomes - Incorporating sustainability into project delivery - Understanding stakeholder needs
Communities/General Public	- On-site field office visits - Presentations to local groups and neighborhood associations - Public participation meetings and workshops	- Improved understanding of community needs - Enhanced sense of community involvement - Decreased community resistance
Employees	- Surveys - Video conference discussions with global sustainability employees - Chatter – internal social media	- Environmental performance - Ethical business practices - Introducing sustainability on our projects - Sustainability in AECOM operations
Investors	- Annual Meeting of Stockholders - Quarterly earning conference calls - Letters/communications to Board members and committees - Analyst Day - Participation at investor and analyst conferences	- Financial performance - Critical business practices - Corporate social responsibility
Governments	- Workshops and interviews	- Leading by example - Environmental performance - Addressing community needs
Non-Governmental Organizations and Universities/Academia	- Interviews	- Ethical communications and business practices - Incorporating sustainability into project delivery
Partners (Vendors, Joint Ventures and Subcontractors)	- Interviews	- Financial performance - AECOM's sustainability policy - Ethical business practices - Corporate social responsibility - How to improve partner sustainability
Recruits	- Conferences, trade shows	- Our culture - Environmental performance - Ethical business practices - Sustainability in AECOM operations and projects



The foundation of our culture

Our commitment to sustaining a workplace culture defined by integrity, one of our Core Values, is paramount to AECOM's continued success. AECOM and its employees have a personal responsibility to make certain we and those we work with always provide our services ethically and in compliance with the law.

As a firm named to the Ethisphere Institute's "World's Most Ethical Companies" list four years in a row based on its organizational focus and tools dedicated to maintaining integrity in its business dealings, AECOM employees and our leadership team display a deep-rooted commitment to business ethics.

For us, diversity expresses itself in many different ways — age, gender, race, nationality, language, culture, marital status, sexual orientation, religion, belief or creed, education, disability and experiences. With employees in more than 150 countries worldwide, we strive to maximize the potential of this diverse group by embracing uniqueness and creating an opportunistic and inclusive work environment where everyone feels respected and valued.

Fusing science, engineering, and design solutions, we work to incorporate sustainability into every project in order to shape a better tomorrow. In each sector of our business, we have thought leaders who work to devise new and innovative methods of ensuring that the principles of sustainability underpin everything we do.

But it's not just in our work for clients that we pursue sustainability. In virtually every AECOM office around the world, local initiatives are in place to encourage the conservation of energy, water and other finite resources.



AECOM, General Electric and Ethisphere share ideas on how to best promote an ethical business culture through an annual "Best Practices in Ethics Communications Workshop."



We respect and encourage our employees' ideas, diversity and cultures.



Our safety mission:

To guide the architecture, construction and engineering industries as a safety thought leader by embedding a culture focused on health, safety, risk management and sustainability into all business activities.

Our goals:

- 0 work-related incidents/injuries.
- 0 damage to property and the environment.
- Environmentally friendly and sustainable workplace.

RECORDABLE INJURY RATE
IMPROVEMENT LAST YEAR

22%



Andy Peters, AECOM's chief safety officer, talks about the importance of embracing safety, health and environment as a company.

Keeping our people safe

During fiscal year 2013, AECOM's total recordable injury rate improved by 22 percent, targeting a 5-year improvement of 78 percent. And our experience modification rate was .66 in fiscal year 2012 and .53 in fiscal year 2013, a 20-percent improvement.

At AECOM, we believe that safety has no boundaries — no matter where we operate, we ensure that our employees are in a safe and sound environment at work and home. In the event of a crisis, AECOM employees can turn to our comprehensive travel management safety and security systems that redirect our employees to a safe zone when they are traveling or working abroad.

Protecting and preserving the natural environment in which we work is also a top priority. We actively seek to conserve energy, water and natural resources, and to recycle and reduce waste wherever possible. We strive to be good corporate citizens by ensuring that our facilities and operations do not pose unreasonable safety or environmental risks, and by participating in community-related activities that promote excellence in safety, health and environmental practices.

Derived from AECOM's Core Values, the ultimate goals of our new "Safety for Life" program are simple — to prevent work-related injuries or illnesses, damage to property and/or equipment from our activities, and adverse impacts to the environment from our ongoing projects or operations. And our recently updated nine "Life-Preserving Principles" will drive AECOM's employees to proactively commit to achieving these goals.

Life preserving principles



- Demonstrated Management Commitment
- Employee Participation
- Budgeting and Staffing for Safety
- Pre-Planning
- Contractor Management
- Recognition and Rewards
- Safety Orientation and Training
- Incident Investigation
- Fit for Duty

Continuous learning and professional development

AECOM is committed to training and development by fostering talent, encouraging new ideas, and providing professional opportunities for all employees at all levels, from individual contributors through executives. One of AECOM's strategic priorities is to strengthen and support our 45,000 talented employees around the world. The company offers more than 40,000 learning opportunities for employees around the globe through in-classroom teaching and innovative technology platforms.

The next generation: Investing in our future

By collaborating with universities under our Academic Alliances Program, our professionals are not only developing mentor relationships with these students, but they're also inspiring them to discover new, innovative solutions to problems around the globe.

The company's commitment to social responsibility is the cornerstone of these alliances, and, similarly, students in the programs are encouraged to mentor younger students. In addition to developing tomorrow's engineers, academic research broadens AECOM's exposure to the latest research and innovative ideas.

A full list of the company's Academic Alliances can be found [here](#).

Employee spotlight

In each sector of our business, we have thought leaders who work to devise new and innovative methods that ensure the principles of sustainability and excellence underpin everything we do. Below are two exemplar employees that represent the 45,000 people that reinforce AECOM's strong culture.



AECOM's Lanette Ezzard (left) is a water resources engineer in AECOM's Atlanta, Georgia, office, who recently completed a project assisting the Federal Emergency Management Agency's (FEMA) rebuilding efforts in New York after Superstorm Sandy. She was recently named a finalist in the New Faces of Engineering program by the American Society of Civil Engineers.



Christopher Rapone, an alumnus of Villanova's college of engineering and now an engineer in AECOM's transportation practice, discusses his experience as part of AECOM's Academic Alliance Program.

"It is fantastic to work for a company that not only offers outstanding sustainability services, but also incorporates sustainability within everyday work life," said Candice Manning, sustainability lead based in South Africa. "Incorporating sustainability in our business gives us a competitive advantage and makes good business sense."



As sustainability lead in AECOM's Durban office in South Africa, Candice Manning (left) is working on a number of prestigious developments in South Africa and other African countries targeting either Leadership in Energy and Environmental Design (LEED) or Green Star ratings. Manning is also beginning the initial designs for a new AECOM interior office fit-out located on the prestigious Umhlanga Ridge in Durban, which is targeting a Green Star Interiors Pilot Rating.



Social Responsibility

There are only a few companies that have the privilege of playing a role in millions of people's lives around the world every day — from the work we do as a company to our global community engagement. We do not take this privilege for granted and believe that aligning our business values, purpose and strategy with the social, environmental and economic needs of all of our stakeholders is important.

Purpose

The heart of our corporate social responsibility (CSR) program is focused around the communities and people whose lives we touch every day through our philanthropic efforts. Our purpose statement defines AECOM as a responsible company and as a community citizen: To create, enhance and sustain the world's built, natural and social environments.

Programs and partnerships

We feel that by aligning our business values and company purpose with our initiatives, the people and communities that we serve will receive the greatest benefit.

In 2013, through a combined employee and company effort, we donated thousands of volunteer hours and more than US\$5.1 million to charitable and philanthropic organizations throughout the world. Much of this effort was made through strategic partnerships such as Engineers Without Borders (EWB), Water For People, WaterAid, and the International Red Cross and its affiliates. By carefully selecting these organizations, we were able to maximize the benefits from our efforts.

In addition to supporting these organizations, we invested heavily in education, supporting more than 30 universities worldwide through our Academic Alliance program, which aims to positively influence engineering students at the start of their careers.

Our [community and employee programs](#) foster five program areas:

1	Community development
2	Education and training STEM (Science, Technology, Engineering and Mathematics)
3	Alleviating poverty and disaster recovery
4	Health and well-being
5	Natural environment

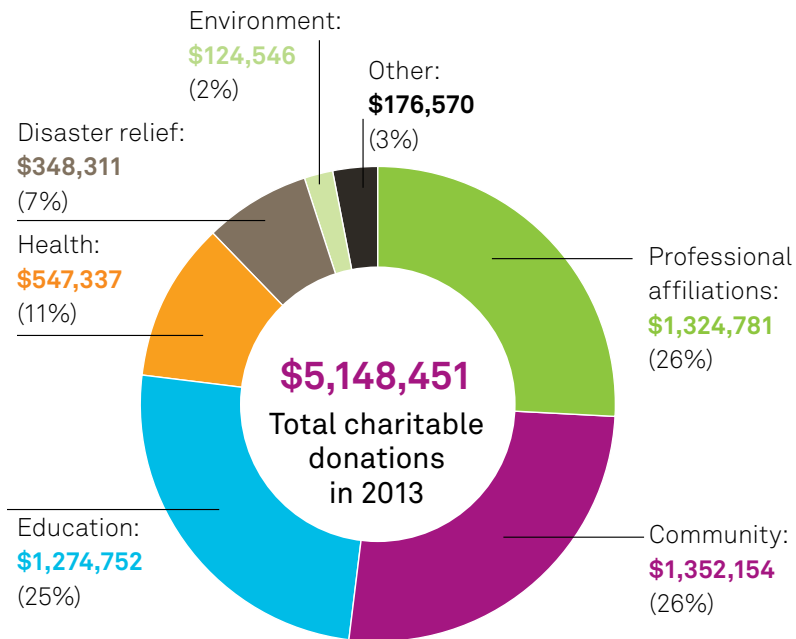
AECOM's top contributions:

1. Academic Alliance Program
2. March of Dimes
3. International Red Cross and affiliates
4. Empire State Relief Fund
5. United Way
6. ACE Mentor Program
7. Network for Teaching Entrepreneurship
8. Engineers Without Borders USA
9. YMCA
10. Seabee Memorial Scholarship Association

AECOM has been involved with Water For People outreach initiatives for years. This includes being named a global sponsor in 2011 for contributions of more than US\$100,000 per year.



Since our partnership began in 2012, we've donated more than \$600,000 to help Water for People reach its mission of providing four million people with access to clean water by 2018.



Left: At AECOM, we bring together expertise, ingenuity and passion to make the world a better place. This video exemplifies the collective energy and effort of our company and our employees to benefit society and the environment through the contribution of labor, financial support and facilities as well as social and community networks.

Below: In January 2013, AECOM helped the Abu Dhabi Urban Planning Council (UPC) to design and build an exhibition stand from 100% waste materials identified from local projects. The exhibition stand was used at the World Future Energy Summit (WFES) to educate children on the importance of recycling.

Requested by Aldar, a client in the U.A.E., AECOM's construction supervision team on the Yas Mall project provided design development for the stand and identified materials that could be used from construction waste.

The UPC stand had the lowest carbon footprint at WFES as all of the materials were 100% recycled, and 100% regional (from Yas Island projects). Both UPC and Aldar were pleased with the final outcome.



Through Engineers Without Borders, AECOM has helped to better the lives of more than 2.5 million people.





Environment

Greening our operations

At AECOM, we encourage our clients, contractors and vendors to reduce the environmental impact of their operations — and look to lead by example in our efforts to preserve the planet for future generations.

For example, we recently assessed the sustainability practices of our strategic vendors. In this collaborative effort, we are strengthening our business partnerships and renewing our commitment to environmental, social and governance best practices. We intend to use the resulting data to provide an initial gap analysis and solicit updates on a continuous basis to enable improvements.

We hold the company to the same high standards as we aim to become more sustainable overall by conserving water, energy and other resources throughout our own global operations.

Conserving resources

In partnership with a document solutions company, we continuously embrace best practices in printing to reduce costs as well as paper, toner and ink use. During fiscal year 2013, we completed our rollout of green printing practices across North America. Furthermore, we have successfully integrated our recently established printing guidelines into the company's culture. In North America, every office has transitioned to 30-percent recycled paper, and our Australia New Zealand operation is also rolling out a new printing and copying program.

As office energy is the biggest source of emissions, we remain focused on consolidating office space and furthering our ongoing Sustainable Office Operations initiatives to reduce our energy use.

While every office embraces sustainability in different ways, AECOM aims to provide the most efficient and comfortable space possible. This includes strengthening our internal programs that save energy through efficient lighting and electricity systems; maintain clean air; reduce waste by integrating green purchasing initiatives, recycling programs for office waste and organics programs to collect food waste; and conserve water via automated faucets, flushing systems and irrigation systems.

Our carbon footprint

During fiscal year 2013, AECOM conducted its second effort to assess the greenhouse gas emissions that result from our global operations. The main goal again was to use this data to more effectively reduce emissions and to improve our measurement techniques in the future.

This year's efforts entailed several improvements in methodology and scope, such as a more comprehensive view of the company's ground-transportation activities, and for the first time, we included a detailed inventory of company and off-site servers and their power demands, as well as emissions from home-office use by telecommuters. While the overall accuracy of AECOM's total greenhouse gas estimates has improved, the additional sources have caused year-to-year comparisons to be misleading. We aim to continue to improve our assessment methods as well as the initiatives that focus on reducing our emissions.

North America transition to recycled bond paper (FY13 environmental savings)

4,209
TREES

12,153
POUNDS OF
WATERBORNE WASTE

198,041
POUNDS OF
SOLID WASTE

398,505
POUNDS OF
GREENHOUSE GAS

2,981,581,801
BTUS OF ENERGY

1,788,218
GALLONS OF
WASTEWATER

As the majority of our office space is leased, we rarely pay utilities directly and often share buildings with other tenants. As a result, we base our estimations of fuel and electricity use on square footage occupied and climate at each geographic location.

According to the data, AECOM continues to produce CO₂e emissions from three major sources — office energy, air travel and ground transportation.

Activity data used to derive estimates includes square meters of leased space, detailed records of individual flights, and gallons of fuel purchased or expenses submitted for reimbursement of ground transportation expenses. Where primary data was not available, proxy data was used to infer activity levels.

The inventory includes emissions from the combustion of fossil fuels used to heat offices, generate and deliver electricity, and power the vehicles and aircraft operated by AECOM or used for company business travel. The estimated total does not include the “upstream” emissions involved in extracting, refining and delivering the fuels used for these purposes. Adding these “upstream” emissions would increase AECOM’s total emissions estimate by 15 to 20 percent.

Metric tons CO₂e from AECOM operations (fiscal year 2013)

Geography	Offices and servers	Commercial air travel	Ground transportation	All sources	Percent of total CO ₂ e	Relative regional uncertainty
Americas	41,000	22,000	41,000	104,000	55%	Low
Asia	10,000	11,000	5,000	26,000	14%	Medium
Europe	6,000	6,000	12,000	24,000	13%	Medium*
Australia and New Zealand	6,000	6,000	5,000	17,000	9%	Low
Middle East	3,000	5,000	5,000	13,000	7%	Low
Africa	3,000	1,000	2,000	6,000	3%	High
Total	69,000	51,000	70,000	190,000		
Percent of total CO ₂ e	36%	27%	37%			
Relative category uncertainty	Medium	Low	High			

*The United Kingdom and 67 percent of European staff have relatively complete and reliable data, but there is little primary data for other European offices.



Projects

Port of Los Angeles — A waterfront revived

San Pedro, California, United States



For residents of San Pedro, California, United States, living on the Pacific Ocean has not been a “day at the beach.” Many people in the lower income community have rarely had the opportunity to get to the water’s edge. Once a small fishing village, San Pedro grew up in the shadow

of the Port of Los Angeles, against a backdrop of container ships and cranes and a constant flow of diesel trucks and trains. Over time, shipping activity at the largest port in the United States blocked access to the water and local beaches. Now, an ongoing waterfront renovation is changing that in dramatic fashion.

Working closely with the Port of Los Angeles, AECOM created a master plan focused on public access to the water’s edge and regeneration of public recreation attractions in the community of San Pedro. The larger “Bridge to Breakwater” vision for the Los Angeles Waterfront will ultimately extend over seven miles, offering promenades parks, and retail and commercial spaces.

“Water is something that people find so vital in their lives. We need to take advantage of our waterline and make our waterfront a great place to be.”

John Papadakis, lifelong resident of San Pedro

Left: The Gateway Plaza includes a black-granite fountain that provides a misty respite from hot Los Angeles summers.

Right: The Cruise Ship Promenade offers up-close views of working cranes and cruise ships and has created much-needed space for civic celebrations on and around the water.



Inviting a community back to the water

With the first phases of the renovation complete, industrial land has been reclaimed for public use, and locals are experiencing access to the waterfront in a way that very few residents remember.

The Gateway Plaza welcomes residents and arriving passengers with a grand water fountain timed to music and lights. Set against a sweeping backdrop of Canary Island palms, the fountain rises from a black-granite pool bisected by a path that invites the public to stroll into the water, providing a cool, misty respite from hot Los Angeles summers.

States longtime resident John Papadakis: “We have such a great spectacle here; the channel should be called ‘Grand Canal of the Great Ships.’ It’s an educational spectacle. A great theater. Before, it’s just been a dead end.”

Developing Maersk Pier 400

AECOM’s expertise in comprehensive port and terminal facilities played a vital part in the successful completion of Maersk’s Pier 400 Terminal at the Port of Los Angeles. Our extremely aggressive schedule called for us to fast-track the design and construction, while streamlining processes where it was safe and beneficial to do so. We completed this project ahead of schedule, under budget, with no claims or lost-time injuries.

“We have such a great spectacle here; the channel should be called ‘Grand Canal of the Great Ships.’ It’s an educational spectacle. A great theater. Before, it’s just been a dead end.”

John Papadakis, lifelong resident of San Pedro



Strumosa Urban Agriculture and Waste Drop-off Centre — Maximizing “green gold” for job creation

Rustenburg Local Municipality, North West Province, South Africa



First sustainable waste drop off center in South Africa



Potential to create nearly 5,000 jobs within first 10 years of operation if replicated



Optimized use of water: 100% of water recirculated through biofilters for reuse



Energy-efficient: 100% of energy is solar

As the first of its kind in South Africa, this waste drop-off center maximizes resources such as “green gold” (waste) and water through reuse, recirculation, biofiltration, hydroponics, composting and green waste diversion.

AECOM’s project team developed a systems-based approach, which includes growing freshwater crayfish, cultivating vegetables and cut flowers in water rather than soil, selling compost made on site, and developing innovative projects such as vertical gardens. The entire operation runs on solar power and includes two living walls and artificial shade sails — eliminating the need for an active ventilation system.

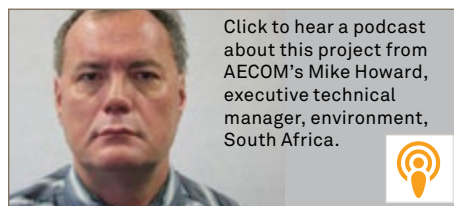
“Among a number of sustainability innovations, our main focus was to design a skills-development hub focused on education and continuous high-revenue job creation. Community members are educated on the importance of waste and employees remain for one year before they’re supported to establish their own businesses.”

Mike Howard, AECOM executive technical manager, environment, South Africa



Above, left: Freshwater crayfish, Australian Marron, *Cherax tenuimanus*, grown in the aquaculture farm.

Left: The project incorporates the cultivation of vegetables and cut flowers.



Click to hear a podcast about this project from AECOM's Mike Howard, executive technical manager, environment, South Africa.



Townsville Port Access Road — Driving the three pillars of sustainability

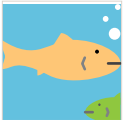
Townsville, North Queensland, Australia



Innovative embankment construction on highly collapsible soil (Ecoflex platform) saved client approximately \$70,000



Used more than 2,300 recycled tires to build Ecoflex platform



Met 100% of the strict environmental requirements for working in the Great Barrier Reef Marine Park



Developed innovative strategies to mitigate two-month delay and save approximately \$750,000 due to Cyclone Yasi (category 5 storm) and heavy rain events

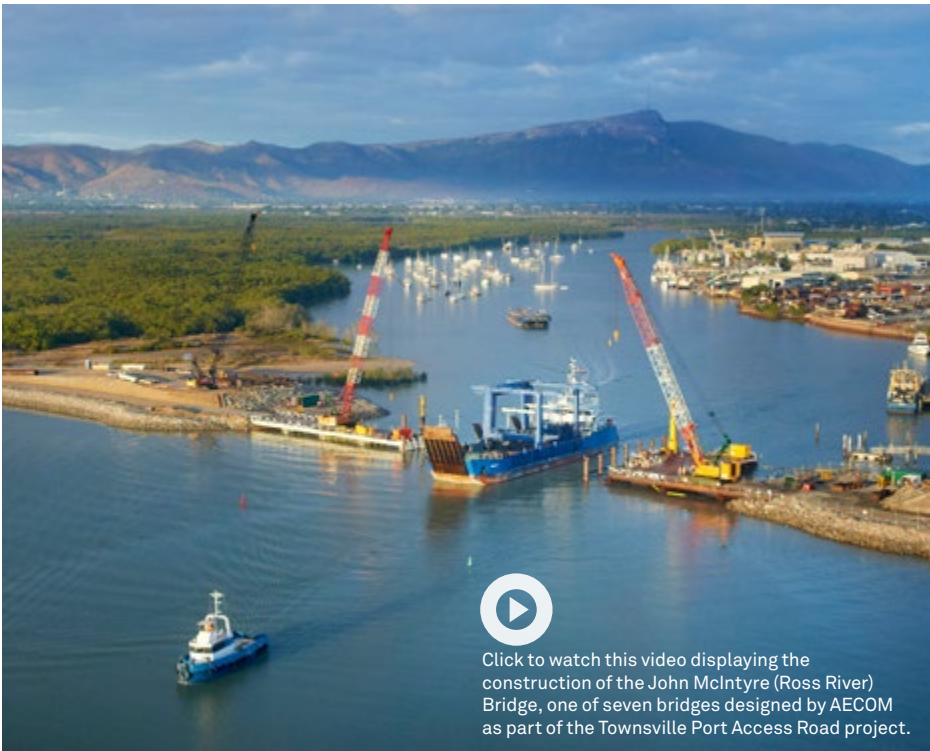


Removes approximately one-third of heavy haulage vehicles from residential streets each day

The Queensland Government's vision for the Townsville Port Access Road (TPAR) was a freight-efficient, strategic road link to the Port of Townsville that complements the natural environment, and achieves excellence and sustainability through every project phase with a high level of stakeholder support and recognition.

“Our work on TPAR met the client's needs and successfully embodied the three pillars of sustainability by incorporating social, economic and environmental features. This project serves as a leading example of AECOM's sustainability work in the transportation sector.”

Chris Paterson, AECOM's area manager, North Queensland and Northern Territory, Australia New Zealand



Click to watch this video displaying the construction of the John McIntyre (Ross River) Bridge, one of seven bridges designed by AECOM as part of the Townsville Port Access Road project.



The TPAR project improved the quality of life of residents, reduced traffic congestion, included local charity support and rehabilitated various environmental features in the area.



Click to hear a podcast about this project from David Derrick, AECOM transportation technical director.



Livvi's Place — Making cities more livable

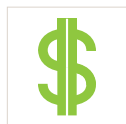
Yamble Reserve, Ryde, North Western Sydney, Australia



More than 3,000 people use Livvi's Place each week.



The project has won two high-profile awards.



US\$115,000 in pro-bono professional services donated to help develop Livvi's Place playground.

Founded as a result of the devastating loss of an 8-month-old girl named Olivia, the Touched by Olivia Foundation aims to positively enhance the lives of children and their families. Aligning with this mission, AECOM volunteered professional services equivalent to US\$115,000 to help the organization develop Livvi's Place, a playground designed to provide all children — including those with physical, sensory and intellectual disabilities and disorders — with a safe and comfortable place to play.

Awards

- Premier's People's Choice Award at the 2013 New South Wales (NSW) Landscape Architecture Awards
- 2013 NSW Minister for Planning and Infrastructure's Sydney Greenspace Award

“Despite challenges such as a complex cost and procurement framework, and the discovery and necessary remediation of 165 tons of asbestos-contaminated soil, the project was ultimately successful. We were recognized at the launch event among several members of Parliament and community leaders, in local publications and with the Premier's People's Choice Award as an addition that has done the most to make Sydney more liveable.”

Jo Blackmore, principal landscape architect, design + planning, AECOM



Left: The labyrinth: This space has been designed to stimulate the senses in many ways, through playfully carved totem poles, whimsical sculptural elements and a series of looping paths through sensory gardens.

Right: Roly Poly Path: This undulating path creates exciting changes in level for wheelchair users and forms a gentle embankment that allows children of all abilities to play alongside one another in many different ways.



Click to hear a podcast about this project from AECOM's Jo Blackmore, principal landscape architect, design + planning.





Named one of China's ten most charming wetlands, Weishan Lake Wetland Park merges resilient green systems, restored natural environments, remaining forest, waterfront plants and the lake itself.

Weishan Lake Wetland Park — Expanding the Earth's kidneys

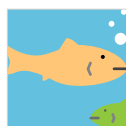
Shandong Province, China



More than 400% increase in land value (from US\$491,000 to US\$2.5 million per hectare)



More than 500,000 tourists attracted in 2013, compared to practically zero prior to project implementation.



Since its completion, local wildlife previously rarely seen have returned. This indicates that the ecosystems and habitats of the waterways have begun to be restored.

Due to inadequate facilities located far away from developed urban centers, Weishan Lake suffered from low tourism for years.

“When the Weishan Government requested that we transform the lake into a tourist attraction that balances conservation and development, we quickly decided to develop a wetland project,” said AECOM’s Hal Hu, landscape designer and project manager. “This allowed us to meet the client’s needs and combat the decline in China’s wetlands due to rapid urbanization, industrialization and population growth.”

Wetlands, known as the “kidneys” of the Earth, provide benefits such as degrading pollutants, retaining and purifying water, controlling flooding, regulating rivers, and conserving animal and plant species. Named one of China’s 10 most charming wetlands, Weishan Lake Wetland Park merges resilient green systems, restored natural environments, and forest and waterfront plants, serving as a natural barrier and resource for nearby New Southern Town.

“AECOM’s work helped promote development in New Southern Town by conserving and maintaining the existing wetland functions, improving entertainment and service facilities, and enabling wetland science education and ecological tourism,” said Mr. Tian, director of the Weishan Government. “Most important, the project team exceeded our expectations for tourism expansion — as we anticipate a ten-fold increase in planned tourism numbers by 2020.”

The Weishan Lake Wetland Park has been recognized as one of the Top 10 Glamorous Wetlands in China by the Chinese State Forestry Administration and China Central Television.

Over the last 100 years ...

... half of the world’s wetlands have disappeared.



AECOM transformed Weishan Lake into a wetland park, enabling wetland science education and increasing ecological tourism.

Eicher Group and VECV Headquarters — Improving work life quality

Gurgaon, India



Annually reduces approximately 219 tons of CO₂ (equivalent to annual carbon emitted by 39 passenger cars)



Estimated operational savings of US\$180,315 (over Energy Conservation Building Code baseline)



Achieved LEED Platinum rating under the Indian Green Building Council's New Construction rating system



Saves 100% of the wastewater generated

“Every step of the way, we worked to maximize comfort and minimize the environmental footprint of this project. In addition to energy performance, we maximized our resources. For example, we ensured that every drop of wastewater generated on-site would be treated in a sewage treatment plant and reused.”

Sangita Das, sustainability project consultant, building engineering, AECOM

AECOM's design for the Volvo-Eicher headquarters building on behalf of the Eicher Group created a comfortable, healthy and productive environment to enhance work-life quality and minimize the building's impact on the environment — while providing client savings in annual operational costs.

To meet the highest level of indoor environmental quality, AECOM's design incorporates a high-performance building envelope, passive design strategies for indoor thermal comfort and ventilation, efficient artificial lighting, as well as intelligent daylight controls. The heating, ventilation and air conditioning equipment is highly optimized for comfort and efficiency, and includes under-floor air conditioning, allowing workers to adjust airflow at the desk level according to personal comfort needs.

Top right: The Volvo-Eicher headquarters building incorporated recycled materials such as wood from railway sleepers used in the building facades and in wooden discs suspended from the ceiling.

Bottom right: To satisfy the client's requests to achieve LEED Platinum, AECOM used advanced strategies together with building-integrated sensors to optimize operational energy consumption.



Click to hear a podcast about this project from AECOM's Ashish Rakheja, managing director, building engineering, India.



Masdar Siemens Headquarters update — Taking the LEED in the UAE

Masdar City, Abu Dhabi, United Arab Emirates (UAE)



First building in the United Arab Emirates certified Leadership in Energy and Environmental Design (LEED V3.0) Core and Shell Platinum



98% construction waste diversion from landfill



50% reduction in water demand (over EPA baseline)



46% reduction in energy demand (over ASHRAE 90.1_2007 baseline)



30% reduction in embodied carbon (over Masdar baseline)

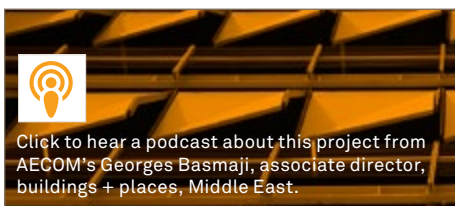
Sheppard Robson International selected AECOM to provide mechanical, electrical and plumbing; sustainability; and cost consultant services to deliver a cost-effective, optimized sustainable design and low-carbon construction for the new Siemens Headquarters in Masdar City, an emerging clean-technology cluster.

Explains Chris Wan, Masdar's city design manager when describing the building, "For a start, many of its innovations cannot only be seen, they can also be felt. It feels as if we don't need to add anything else to this building and that nothing can be taken away from it. That doesn't happen very often but in my view that has happened in this building."

"We are proud that this project will help Masdar City become a sustainable low-carbon city," stated AECOM's Georges Basmaji, associate director, buildings + places, Middle East.

Left: A parametrically designed external shading system together with low embodied carbon materials were used to ensure that the building's envelope met the client's high performance goals regarding wind resistance, daylighting, water and air tightness.

Top right: The building's lobby features a suspended staircase (atrium) intended to promote walking between floors and reduce elevator demand. (Photo by Gonzalo Seminario).



Bottom right: Public Realm landscaped terraces help make the smooth transition from the plaza to the podium level. (Photo by David Lloyd).



Energy Technologies Building — Breaking the boundaries of engineering

University of Nottingham, United Kingdom



Limited cost budget was achieved



World's first zero-carbon operational laboratory



First laboratory complex in Britain with a sustainability rating of outstanding (BREEAM)



Generates up to 150% of the total annual electricity requirement

"We were asked to break the boundaries of engineering and, according to the client, we did," said AECOM's Aleksandra Sasha Krstanovic, regional director, building engineering and project director.

Set to become an internationally significant hub for energy research and low-carbon technologies, the University of Nottingham's Energy Technologies Building (ETB) needed to remain within a limited cost budget and meet two ambitious energy goals — to become the world's first zero-carbon operational laboratory and to achieve a BREEAM "Outstanding" rating, the highest level.

Said Krstanovic, "Most laboratories require large amounts of energy use. In order to satisfy our client, our building engineering team developed pioneering technology that maximizes energy from renewable and ambient sources, and minimizes the building's demand for heating, cooling, lighting and ventilation."



Click to hear a podcast about this project from AECOM's Martin McLaughlin, regional director, building engineering, London.



"In order to align with our vision for this research, our goal was for the building to lead by example as a highly efficient structure in its own right — and AECOM helped us achieve that."

Chris Jagger, chief estates and facilities officer, University of Nottingham



Top: The building incorporates a number of innovative sustainability features as pictured above.

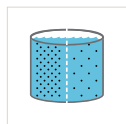
Above: Called an investment in the technology of the future, ETB caters to the brightest minds in technology research.

Sui Chuen O Public Housing Development — Cities as catchments

Sha Tin, Hong Kong



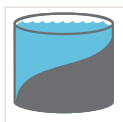
50% reduction in demand for potable water for irrigation purposes



70% estimated reduction in key pollutants (total suspended solids) in collected rainwater



Water tanks will be 50% full for more than 100 days per year



Rainwater harvesting cycle: Water is collected at high elevations from building rooftops, green roofs, covered walkway roofs and planted slopes, then treated via bioretention by entering the basin, percolating down through various layers, then draining into pipes once the basin is filled. Treated water travels along chlorinated distribution pipes to be placed in storage tanks, then disinfected via ultraviolet treatment before usage.



A blend of historical techniques and modern innovation, this project has been showcased at industry conferences and has led to ongoing cooperation between AECOM and the government of Hong Kong.

To reduce the increasing urban population's dependence on potable water from the Dong Jiang river basin in mainland China, AECOM's environment team conducted a feasibility study and detailed design for the client incorporating water-sensitive urban design to enable rainwater harvesting in a local housing development plan.

This cost-effective, low-carbon solution results in an on-site, sustainable source of water; reduced flood risks; and a less burdened stormwater drainage system by improving the quality of runoff entering the ecosystem.

“Our long-term goal for this project was to help Hong Kong reconsider its municipal water strategy to prepare for urban population growth and climate change. Educational elements were incorporated to introduce the system to the general public and promote sustainable urban ecosystem development and water conservation in the region. We are proud that this project has been showcased at industry conferences and has led to ongoing cooperation between AECOM and the government of Hong Kong.”

AECOM's David Gallacher, executive director, environmental + ecological planning, Hong Kong

Dominating the top spot in India's green building sector

India (Nationwide)



India has the second-largest green-building footprint in the world.



Under Dr. Jain's leadership, AECOM has completed 35 LEED Platinum-rated buildings in India.



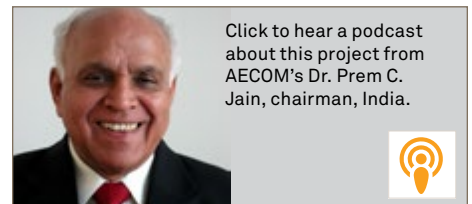
Expanding from modest beginnings of a 20,000-square-foot green footprint in 2003, today, more than 2 billion square feet of green building projects are being constructed throughout India — landing a spot as the country with the second-largest green-building footprint in the world.

Responsible for assessing every square foot, the Indian Green Building Council (IGBC) is led by AECOM's Dr. Prem C. Jain, chairman, India, who also acts as chairman of the council.

Key AECOM sustainability projects in India also include the Indira Paryavaran Bhawan project in New Delhi, Infosys' Software Development Blocks 2 and 3 in Hyderabad, KFC's first green location in India, the Mall of India at Noida and Ramunajan IT City in Chennai.

"Through AECOM, I have worked with almost every major developer, builder, architect and construction manager in India. This includes the first building in India to be rated green, the Godrej Business Centre in Hyderabad. This project transformed the construction industry in India by influencing the country to adopt green rating certification."

Dr. Prem C. Jain, AECOM's chairman, India



AECOM acted as consultant for Infosys' Software Development Blocks 2 and 3 in Pocharam, Hyderabad, India, which were awarded LEED (India) Platinum certification for water and energy efficiency, a green power solar plant that reduces reliance on the grid, and the improvement of biodiversity on campus.

The River of Life — Developing livable cities

Greater Kuala Lumpur/Klang Valley, Malaysia



Aims to help Kuala Lumpur meet its goal to become one of the most livable cities in the world by 2020.



Transform 100% of city's waterfront area for public use and future development.



Add more than 14,000 new affordable and market rate housing units, accommodating more than 35,000 new residents.



Add 1 million square meters (10,763,910 square feet) of commercial space, and more than 27,000 new employment opportunities.



Raise public transportation usage within the master plan area from 15% to 60% by 2020.



Reduce traffic demand by 15% by 2020.



Left: For this project, the client determined that AECOM was the best choice to lead the master planning and detailed design of the river to help Kuala Lumpur meet its goal to become one of the most livable cities in the world by 2020.

Right: Three major components of the US\$1.3-billion River of Life project include cleaning the Klang and Gombak rivers; rejuvenating the districts alongside the rivers to beautify the area and increase economic viability; and increasing private-sector development along the river to encourage investment in the surrounding area.

Located in the most densely populated area in Kuala Lumpur, Malaysia, the Klang River serves as the center of the lives of the city's residents. However, heavy development alongside the river bank has led to high levels of pollution and intensified flooding during storm seasons — threatening the sustainable development of the river and the city.

“World's leading consultant AECOM was identified to assist the City Hall of Kuala Lumpur in conceptualizing, master planning and detail designing of the river in order to meet our goal to make Kuala Lumpur one the most livable cities in the world.”

Datuk Ahmad Phesal Bin Haji Talib, mayor of the City of Kuala Lumpur



Click to hear a podcast about this project from Scott Dunn, AECOM's vice president for Southeast Asia.



Asia Square — Pushing the boundaries of environmental sustainability

Central Business District, Marina Bay, Singapore



Singapore's first waste-recycling plant located within a commercial development.



Waste-recycling plant to convert cooking oil to 63,401 gallons of biodiesel annually.



Largest renewable energy generation installation of any commercial office development in Singapore.



Solar panels to generate approximately 270,000 kwh per year.



To consume at least 30% less energy than standard commercial buildings.



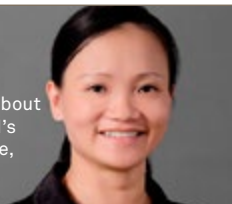
To consume at least 40% (23,775,485 gallons) less water than standard commercial buildings.

Currently, cities consume 75 percent of the world's energy, and in many cities, commercial buildings use the majority of that energy. At AECOM, creating project designs that not only meet client needs, but also help to reduce the negative impact humans have on the environment, is of primary importance.

Selected to provide engineering and consultancy services for Asia Square in Singapore, AECOM's building engineering team set the standard for a high-technology, low-energy building producing an estimated energy savings of close to six million kilowatt-hours (kwh) per year. Situated in the Marina Bay business and financial center, the development comprises two high-rise office towers, a five-star hotel and a retail complex with dining and public entertainment features.

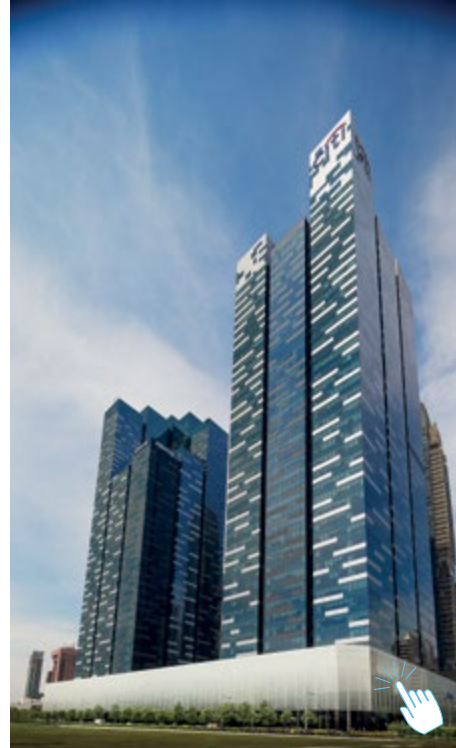


Click to hear a podcast about this project from AECOM's Yeo Hwee Chin, associate, building engineering.



"By integrating a high-performance glass façade, air quality technologies, and a number of energy and water efficiency techniques, Asia Square will be one of the region's most efficient commercial developments to meet current and future demands for environmentally sustainable green office space."

AECOM's Vincent Tong, vice president, building engineering, Southeast Asia



Currently, cities consume **75%** of the world's energy and are responsible for **80%** of the world's carbon emissions.

AECOM's design for Asia Square blended global expertise and local knowledge to create a design in accordance with Singapore's garden-city image with open spaces, courtyards, public city rooms, balconies, roof gardens and sky gardens.

Chuvashia Energy Efficient House of the Future Design — Applying nanotechnology on gigascale projects

Moscow, Russia



30% more energy efficient than typical structures in Russia



Meets the BREEAM Ecological Excellence standard



Design includes nanotechnology solutions such as photocatalysis air cleaning, low-emission glass and composite fiber for reinforcement of concrete and others

“The Chuvashia design successfully demonstrates the sustainable qualities of innovative building materials and nanoproducts such as insulation, lighting, solar cells, self-cleaning windows and basalt structural beams. We are proud that the design successfully meets the BREEAM Ecological Excellence standard and is 30 percent more energy efficient than typical structures in Russia.”

Andy Parkman, AECOM's director of building engineering for Russia and the Commonwealth of Independence States

What is nanotechnology? The engineering of matter at the atomic and molecular scale — 100,000 times smaller than the diameter of a human hair — to create materials with unique properties and capabilities.

“AECOM is at the forefront of nanotechnology research and practical integration,” said Bill Looney, AECOM's director of the environment business' nanotechnology initiative. “This is a cutting-edge science that has the potential to transform the building design and construction market, specifically, by reducing carbon footprints and helping to meet global sustainability challenges.

“Working to provide nanotechnology solutions across multiple business lines and geographies is imperative to continuing to offer the most innovative services to meet current and future client needs. A December 2013 independent study conducted by Lux Research with funding support from the U.S. National Nanotechnology Coordination Office and U.S. National Science Foundation estimates that the global market for nanotechnology-based products will reach US\$4.4 trillion by 2018.”

With a goal of investing in nanotechnology projects that offer business potential and social benefit as well as advance Russia as a world leader in nanotechnology, RUSNANO partnered with AECOM's building engineering team to design the Chuvashia House in Russia.

This project incorporates a number of innovative features, including nanoadditives that make cement stronger and more weather-resistant, as well as nanoaerogel insulation that helps to reduce the house's energy footprint.



Click to hear a podcast about this project from Bill Looney, director of AECOM's nanotechnology initiative, environment.



Starwood Hotels — Greening architecture and construction standards

Stamford, Connecticut, United States



19% estimated energy savings



26% estimated water savings



Increase in owner net present value of US\$2 million



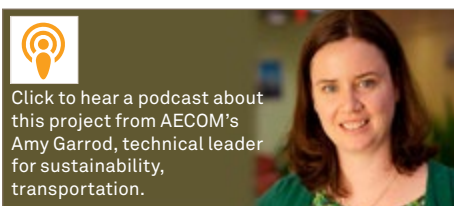
Increase in internal rate of return of 30 basis points

With an already well-established sustainability program in place, Starwood Hotels and Resorts Worldwide faced a significant obstacle: What next? Once light bulbs are changed and faucets automatized, how does a hotel company compel owners to invest in the right sustainability measures?

To address this challenge, AECOM collaborated with key stakeholders to develop a comprehensive list of sustainability measures — focused on energy efficiency, water conservation and reduction, indoor air quality and operational efficiency — to integrate into the hotel's design and construction standards.

“Having real, objective and quantitative data that we could input into our own financial model was incredibly valuable and enabled us to build a compelling story for sustainability that we look forward to sharing with our owners.”

Veronika Ruf, director, architecture and construction, Starwood Hotels and Resorts



Click to hear a podcast about this project from AECOM's Amy Garrod, technical leader for sustainability, transportation.

Left: AECOM's Amy Garrod, technical leader for sustainability, transportation (right), with Veronika Ruf, director, architecture and construction, Starwood Hotels and Resorts.

Right: AECOM held highly collaborative visioning workshops with key stakeholders from Starwood Hotels and Resorts to ensure that sustainability measures were both quantitative and qualitative.

Impact of climate change and population growth in the United States

United States (Nationwide)



Won two *Climate Change Business Journal* Awards [Project Merit Award for Adaptation; Consulting & Engineering: Climate Change Practice (Gold)]



Assuming shoreline recession, the national average increase in special flood hazard areas by the year 2100 may approximate 40% for riverine areas and coastal areas.



Assuming shoreline recession, the total number of National Flood Insurance policies may increase by approximately 80% by 2100.

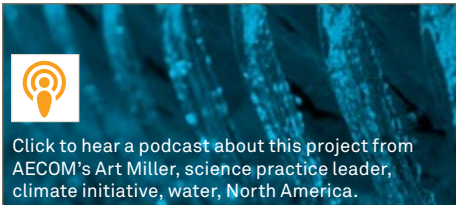
“The climate change study may be one of the most important studies that FEMA conducts over the next year or so — if not the next decade.”

Mark Crowell, FEMA project manager

Long-term erosion influenced by sea-level rise may cause shorelines in coastal areas to shift. By 2100, ignoring this shift could result in a 40-percent increase in special flood hazard areas in riverine and coastal environments across the United States (subject to regional variability).

As a leading advocate and consultant for climate change mitigation and adaptation, AECOM was selected by the U.S. Federal Emergency Management Agency (FEMA) to develop “The Impact of Climate Change and Population Growth on the National Flood Insurance Program through 2100,” a study addressing riverine and coastal flood response to climate change.

“With a goal of identifying increasingly hazardous coastal areas and reducing the risk of flood damage to people and property, the study recommends options intended to increase the National Flood Insurance Program’s long-term viability,” said AECOM’s Scott Edelman, director, water.



Click to hear a podcast about this project from AECOM’s Art Miller, science practice leader, climate initiative, water, North America.



S79 Select Bus Service — Public support generates transportation success

Staten Island, New York, United States



Reduced travel time by 13% to 16%.



Increased customer satisfaction — 97% of S79 SBS passengers indicated they were satisfied or very satisfied with service.



Ridership increased 7% on the combined local and S79 SBS bus routes vs. a 3% decline on other Staten Island routes.

These three metrics are provided by the Metropolitan Transportation Authority New York City Transit and the New York City Department of Transportation.

As the most suburban borough in New York City, Staten Island experiences high public transportation usage, slow bus speeds and traffic congestion. Higher-quality bus service is critical to improving the transportation balance in these areas, and as prime consultant, AECOM's transportation team upgraded the S79 bus service along the 15-mile-long Hylan Boulevard corridor, delivering a solution tailored to a suburban area.

In addition to improved customer satisfaction, travel time, reliability, traffic flow and vehicular and pedestrian safety, the S79 bus service experienced an increase in ridership compared to other Staten Island bus routes that suffered a decline.

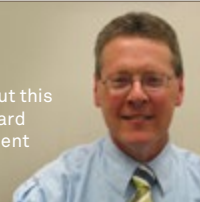
Achieved using short-term, low-cost Bus Rapid Transit (BRT) designs, typically used for high-transit corridors, this project serves as an example of how careful planning can allow BRT-style tools to quickly take traditional limited-stop bus service to a higher level on a substantially suburban corridor.

“This project exemplified how extensive public input and support can lead to successful transportation projects. Our plan was closely tailored to the needs of the community, allowing us to better enhance the overall travel experience, improve mobility and increase accessibility to employment, educational, commercial and recreational sites for all users.”

Sheldon Fialkoff, AECOM project director and vice president, transportation, northeast, U.S.A.



Click to hear a podcast about this project from AECOM's Richard Ravit, associate vice president and project manager, transportation.



Our memberships

The quality of our work is reflected through our ability to leverage the best ideas while remaining updated on industry trends. Education through membership organizations is key to the excellence we deliver to clients every day, and we are proud to be official members of the following organizations:

- AHC Corporate Affiliates Group
- American Council of Engineering Companies (ACEC)
- American Membrane Technology Association (AMTA)
- American Public Transit Association (APTA)
- American Public Works Association (APWA)
- American Road and Transportation Builders Association (ARTBA)
- American Water Works Association (AWWA)
- American Water Works Research Foundation (AWWARf)
- Association of Metropolitan Water Agencies (AMWA)
- Association of State Dam Safety Officials (ASDSO)
- Association of State Floodplain Managers (ASFM)
- Australian Green Infrastructure Council (AGIC), Foundation Members
- Australian Water Association (AWA)
- California Climate Action Registry
- Canada Green Building Council
- Catalyst
- Clean Energy Council
- Community Business Diversity & Inclusion Asia Network
- Conference of Minority Transportation Officials (COMTO)
- Construction Management Association of America (CMAA)
- Corporate Wetlands Restoration Partnership
- Design Build Institute of America (DBIA)
- Design Professionals Coalition
- Energy Efficiency Council
- Engineers Without Borders
- Global Carbon Capture and Storage Institute
- Green Building Council of Australia (GBCA)
- International Audit Protocol Consortium (IAPC)
- International Association for Public Participation (IAP2)
- International Association of Public Transport (UITP)
- International District Energy Association (IDEA)
- International Ozone Association
- International Water Association (IWA)
- National Association of Clean Water Agencies (NACWA)
- National Association of Flood & Stormwater Management Agencies (NAFSMA)
- National Council for Air and Stream Improvement (NCASI)
- National Water Resources Association
- New Zealand Green Building Council
- Society of American Military Engineers (SAME)
- Sustainable Remediation Forum (SURF)
- U.S. EPA Green Power Partner
- U.K. Green Building Council
- U.S. Green Building Council (USGBC)
- U.S. Business Council for Sustainable Development
- Water and Urban Development, Asia
- Water Design Build Council
- Water Environment Federation (WEF)
- Water Environment Research Foundation (WERF)
- Water Services Association of Australia (WSAA)
- WaterReuse Association (WRA)
- WaterReuse Foundation
- World Environment Center
- World Association for Waterborne Transport Infrastructure (PIANC)
- World Business Council for Sustainable Development
- World Environmental Council
- Women's Transportation Seminar (WTS)

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About AECOM

AECOM is a global provider of professional technical and management support services to a broad range of markets, including transportation, facilities, environmental, energy, water and government. With approximately 45,000 employees around the world, AECOM is a leader in all of the key markets that it serves. AECOM provides a blend of global reach, local knowledge, innovation and technical excellence in delivering solutions that create, enhance and sustain the world's built, natural and social environments. A *Fortune 500* company, AECOM serves clients in more than 150 countries and has annual revenue of \$8.0 billion.

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