December 2013 marked the 60th anniversary of Louis Berger as a consulting firm. Founded in 1953 by Dr. Louis Berger, the company began with a mere dozen employees and a single office in Harrisburg, Pa. Since then, the firm has experienced exceptional growth, evolving into one of the world’s leading engineering firms. Today, Louis Berger is composed of approximately 6,000 employees and more than 100 offices in 50-plus countries worldwide.

When I first joined Louis Berger as a planner in 1975, Dr. Berger had been providing professional engineering services for nearly a quarter of a century. More than 20 years after he founded the firm, Dr. Berger remained as enthusiastic as ever about the industry in which he worked. Furthermore, he was keenly aware of, and absolutely elated about, the difference he could make in people’s lives, whether rehabilitating critical roadways, constructing integral health care facilities or generating power in areas in need of service.

Although he is no longer with us, Louis Berger still subscribes to a number of the tenets upon which Dr. Berger founded the company. In fact, our current values — making a contribution to society, quality, integrity, client focus, safety, financial success and passion — are all derived from Dr. Berger’s original vision for the firm.

While the company’s culture has remained largely the same since its beginning, its practice has steadily evolved. Louis Berger began by providing soils engineering services in the Northeast region of the United States. The firm quickly added to its service offerings and expanded into other parts of the world. Just six years after its founding, Louis Berger undertook its first international assignment, completing a road rehabilitation project between Rangoon and Mandalay in Burma (Myanmar). Since then, the company has completed assignments in more than 140 countries worldwide, providing a wide range of engineering, architectural, program and construction management, environmental, planning, and economic development services.

Louis Berger remains committed to providing solutions for a better world. As we celebrate Louis Berger’s 60th year as a consultancy, I am confident that our talented staff will continue to make a lasting impact around the globe, applying the same technical prowess, diligence and passion that Dr. Berger, and the other professionals that preceded us, practiced in the firm’s initial 59 years.

In this issue of BergerWorld, we highlight some of the signature projects spanning the company’s 60-year history.

“I am confident our talented staff will continue to make a lasting impact around the globe…”

President and CEO

Celebrating 60 Years
Building the world. Connecting its people. Advancing communities

An Engineering Pioneer
Dr. Louis Berger

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A Lasting Legacy
Continuing

2014
Louis Berger was founded in 1953...

Louis Berger was born in 1914. Raised in the industrial town of Lawrence, Mass., — one-time home of noted poet Robert Frost — young Louis Berger and his four siblings lived modestly, his father the owner of a small glazing business. In fact, money was so hard to come by, Dr. Berger missed two semesters of college, unable to pay the $100 tuition.

Dr. Berger eventually graduated from Tufts University, earning a bachelor’s degree in civil engineering in 1936. It was a course given jointly by Karl von Terzaghi and Arthur Casagrande at Harvard University, however, that inspired him to pursue a career in his chosen profession, leading him to enroll at the Massachusetts Institute of Technology, where he received his master’s degree in soils and geology in 1940.

Upon graduation, Dr. Berger began his professional career with the Massachusetts Department of Public Works on highway and bridge design and construction projects. Later, with the U.S. Soil Conservation Service, he provided geology and soils services throughout the United States. He went on to become head of the soils and foundation division of the U.S. Army Corps of Engineers (USACE), St. Louis District and a soil scientist with the U.S. Department of Agriculture.

As the United States became embroiled in World War II, Dr. Berger joined the U.S. Coast Guard, designing waterfront facilities along the Mississippi River as a civil engineering officer and later providing U-boat tracking and convoy protection as commander of a Coast Guard base in Greenland.

Upon his return from active duty, Dr. Berger continued his education, enrolling in a doctorate program at Northwestern University in Chicago, Ill., in 1946. While working on his thesis on landslides, he became a professor at Pennsylvania State University, teaching highway engineering, soils mechanics and foundations engineering. After receiving his Ph.D. from Northwestern in 1951, Dr. Berger began providing consulting services.

In 1953, he gave up teaching to fully dedicate his time to engineering.

“I would try to build a company providing every kind of engineering service in every corner of the world.”

— Dr. Berger, Founder

1953 ▶ Louis Berger embarked on its first major assignment, preparing designs for an approximately 20-mile portion of the Northeast Extension of the Pennsylvania Turnpike, the United States’ first superhighway, as well as 23 bridges and several interchanges. The firm completed the project in eight months.

1955 ▶ Louis Berger completed its first assignment for the New Jersey State Highway Department, the interchange at Amboy Avenue and U.S. Route 1 in Edison Township, N.J.

1956 ▶ Louis Berger designed the 13.5-mile Interstate 80 between Denville and Netcong, N.J. It was the first interstate road to be designed and constructed in the state of New Jersey.

1957 ▶ Louis Berger provided inspection services for the construction of jet sled facilities, the catapult and arresting gear facilities at New Jersey’s Lakehurst Naval Air Station.

1958 ▶ Louis Berger initiated the design of a limited-access relocation of U.S. Route 1 around Bel Air, Md.
The Evolution of
Thai Navy Airfield,
U-Tapao Royal BR-2, Brazil;
Bridge, Nigeria;
right: Cross River
From top, left to right: Kittikachorn Stadium and sundial, Bangkok, Thailand; Kamalapur Railway Station, Dhaka, Bangladesh

"Louis Berger was a 'global' company before it became a large company."

Nicholas J. Masucci,
President and CEO

From top: Kittikachorn Stadium and sundial, Bangkok, Thailand; Kamalapur Railway Station, Dhaka, Bangladesh

Louis Berger expands internationally...

1963 | Louis Berger formed the development economics group, the precursor to its existing integrated development practice, which was crucial in combining social and economic improvements with physical infrastructure upgrades and introducing the practice of capacity building.

1963 | Louis Berger began conducting feasibility studies, preparing designs and providing construction supervision for the 210-kilometer Calabar–Ikom Road, often referred to as the "Highway of Progress," and the Cross River Bridge in Nigeria.

1964 | Louis Berger prepared designs for Interstate 91 crossing over the Connecticut River between Chicopee and West Springfield, Mass. The associated "bow tie" interchange with nearby U.S. Route 5 was the first of its kind.

1965 | Louis Berger began assisting in the upgrading of Brazil's BR-2, an important highway route between Rio de Janeiro and Sao Paulo.

1966 | Louis Berger was selected to design several U.S. Navy facilities at U-Tapao Royal Thai Navy Airfield in Bangkok, Thailand.

1966 | The Asian Games were held in the 12,000-seat Kittikachorn Stadium in Bangkok, Thailand. Louis Berger prepared designs and managed the construction of the stadium, and the firm was recognized with an Engineering Excellence Grand Award in the field of structural and architectural engineering.

1968 | Louis Berger assisted in the development of a master transportation plan for the Amazon Valley in Brazil. The plan included the analysis of current and anticipated transportation demand as well as agricultural and industrial development in the region.

1968 | The Kamalapur Railway Station opened for service in present-day Dhaka, Bangladesh. Louis Berger prepared designs for the facility.

1969 | The Interstate 81– Interstate 83 interchange opened in Harrisburg, Pa. Louis Berger designed the three-level interchange, which links two of the region's major traffic arteries.

From the very beginning of the firm, Dr. Berger realized the significance of not only sharing key information between distant office locations but preserving the company's history. In 1953, this led to the creation of a newsletter. Originally titled The Bee Hive, a symbol of industry and energy, the newsletter served as a means for employees to stay informed of project and personnel news from all around the world. Nine years later, in 1962, Dr. Berger introduced The Berger World as a new title to reflect the firm's growing international presence.

Today, BergerWorld highlights Louis Berger's most notable project accomplishments, personnel achievements and corporate social responsibility efforts. The award-winning publication is distributed to each of the firm's 2,500 individual subscribers. It is also available digitally in PDF format and online at BergerWorldOnline.com. BergerWorld remains an important document for the company, both as a historical artifact and a chronicle of the firm's present and future.
1970

Brazil began construction on the Trans-Amazonian Highway. Louis Berger conducted feasibility studies, prepared designs and supervised the construction of a 400-kilometer stretch of the highway between Jacareacanga and Prainha Nova.

Louis Berger’s environmental practice takes shape ...

1970

A new 4-mile section of the New Jersey Turnpike opened near U.S. Route 46. Louis Berger prepared designs and supervised the construction for the section, which consisted of 11 bridges, one viaduct over 26 railroad tracks, three utility tunnels, a toll plaza and three box culverts.

“The firm began re-establishing itself in the United States with the passage of the National Environmental Policy Act, which mandated that large infrastructure projects requiring federal agencies’ approval go through a detailed environmental review.”

James G. Bach, Chief Operating Officer

1971

As part of a comprehensive program to restore land and water damaged by years of coal mining. Louis Berger was selected by the Pennsylvania Department of Environmental Resources to conduct studies, prepare designs and supervise the construction of an underground seal to impound acid water in an abandoned coal mine.

1971

Brokonsult, the Stockholm-based subsidiary of Louis Berger, designed 18 new stations and numerous tunnels for the expansion of the Stockholm subway system in Sweden.

1972

Louis Berger provided technical assistance and construction supervision for the rehabilitation of more than 200 kilometers of roads following major flooding in Luzon, Philippines.

1972

Louis Berger was selected to analyze Sudan’s existing transportation network, provide recommendations for improving approximately 2,000 kilometers of highways and enhance the country’s National Roads Department.

1973

Louis Berger completed a Waterway Systems Development Plan for the Parana River basin in South America. The United Nations selected the firm to identify the extent to which navigation restrictions were impacting economic growth in the region.

1974

Louis Berger completed environmental impact and socioeconomic studies for development of the planned New York City Convention Center along the Hudson River. A primary deliverable was an analysis of water quality and aquatic habitat impacts of construction activities in the river.

1975

Louis Berger, through Brokonsult, designed the 208-meter Kala Marine Wharf at Norway’s Port of Narvik.

1976

Louis Berger completed a national transport study for Haiti. The assignment involved creating a five-year plan for improving the country’s road, port and airport networks as well as facilitating economic development.

1976

Louis Berger completed technical and feasibility studies for increasing cocoa production in Cote d’Ivoire.

1977

Louis Berger conducted a comprehensive environmental study on remediating pollution in Massachusetts’ Boston Harbor and its tributaries.

1979

Louis Berger conducted an ecosystem study for the 4,640-acre Crosswicks Creek tidal wetlands. The study was critical in the selection of an alignment for a circumferential highway in and around Trenton, N.J.
1980s

Louis Berger experiences a period of portfolio expansion and employee growth ...

1980s

1980

Louis Berger prepared designs for Israel’s Ovda Air Base, a cornerstone of the Camp David peace agreement between Israel and Egypt and part of the Sinai peacekeeping accord. The assignment included the construction of more than 400 buildings as well as runways, taxiways, navigation aids and shelters. The U.S. Army recognized Louis Berger with a Certificate of Appreciation for Patriotic Civilian Service for the project.

1981

Louis Berger assisted the U.S. Department of Defense (DOD) with the disposal of 1,000 tons of DDT (dichlorodiphenyltrichloroethane) from 79 military depots in 34 U.S. states and several countries worldwide.

1982

In one of its earliest cultural resource assignments, Louis Berger began conducting archaeological studies and assisting in the excavation of centuries-old artifacts from the Abbott Farm National Historic Landmark site in Trenton, N.J.

1983

By the end of the 1980s, the firm’s resource base had exceeded 1,800 employees. This large staff enabled the company to broaden its capabilities and increase its service offerings worldwide.

Carlos M. Marzecinksy, Group Vice President Emeritus

1984

Louis Berger completed a cultural resource assessment and full-scale archaeological excavation at a Barclays bank construction site in New York, N.Y.

1985

Louis Berger began assisting the Federal Bureau of Prisons. The firm’s first major assignment involved preparing an environmental impact statement for the new Federal Correctional Institution Fairton in New Jersey. To date, the firm has completed more than 1,500 assignments involving approximately 80 correctional facilities and detention centers in 38 U.S. states, Washington, D.C., and Puerto Rico.

1986

Louis Berger served as planning and environmental support contractor to the U.S. Air Force for the deployment of the Peacekeeper (MX) Missile System. More than 250 professionals were mobilized to execute this 24-month congressionally mandated schedule. Louis Berger was commended in the Congressional Record and received the Award of Excellence from the Consulting Engineers Council for its work on the project.

1988

Louis Berger began its affiliation with ABAM (now BergerABAM), a company based in Washington state specializing in the design and construction of ports and marine structures. Founded in 1931, the firm gained worldwide recognition for pioneering work in prestressed concrete design.

1988

Shortly after BergerABAM became a part of Louis Berger, the firms began work on a major assignment in Bangkok, Thailand, reviewing the code compliance and constructability of a 30-mile elevated expressway.

1988

Louis Berger was selected by the New Jersey Department of Transportation to prepare final designs for a bridge carrying Interstate 295 over Crosswicks Creek in Trenton, N.J.
Louis Berger undertakes a wide range of large-scale infrastructure projects ...

1990  Louis Berger was selected by the Port Authority of New York and New Jersey to serve as program manager for the redevelopment of Newark Liberty International Airport in New Jersey. The program included the construction of an automated people mover system and parking facilities.

1990  Under a contract with USACE, Missouri River Division, Louis Berger embarked on its first Superfund site project at Fort Riley in Kansas, providing a variety of environmental and engineering services.

1990  Louis Berger was retained to conduct a feasibility study for the construction of the Brenner Base Tunnel, a proposed 55-kilometer-long transalpine tunnel between Austria and Italy.

1990  Louis Berger began providing program management services for the design, construction, commissioning and operation of the first phase of a 14-kilometer metro system in Ankara, Turkey.

1990  Louis Berger began providing program management services for the design, construction, operation and maintenance of a 20-kilometer underground mass rapid transit system in Bangkok, Thailand.

1991  Louis Berger began providing environmental, design and construction management services for the relocation of the 23-lane New Jersey Turnpike Interchange 1 toll plaza in Carney’s Point, N.J.

1991  Louis Berger began providing environmental, design and construction management services for the Freepoint Mining Company to improve infrastructure in Irian Jaya, Indonesia.

1991  Louis Berger began providing program management services for the design, construction and operation of the Manzanillo International Terminal, a new transshipment facility on the Caribbean side of the Panama Canal.

1991  Louis Berger began providing program management services for the design, construction and operation of a 20-kilometer underground mass rapid transit system in Bangkok, Thailand.

1992  Louis Berger prepared the Trans-Hudson rail tunnel project for New Jersey Transit Corporation, serving as program manager for the development of a 100-kilometer-long metro line in Budapest, Hungary.

1992  Louis Berger began providing program management services for the extension of a 7-kilometer metro line in Guangdong province, China, opening new opportunities for innovative structures.

1992  Louis Berger was selected to serve as certifying engineer for the proposed Yangshan Port, located off the coast of Shanghai, China. Louis Berger began providing strategic, engineering and economic support for this and subsequent phases of the program, more than 100,000 people were able to move out of poverty.

1993  Berger/ABAM was selected by SSA Marine to manage and design the construction of the Manzanillo International Terminal, a new transshipment facility on the Caribbean side of the Panama Canal.

1993  Louis Berger was selected by the U.S. Agency for International Development (USAID) to manage the Growth with Equity in Mindanao program. The objective of the program was to stimulate economic growth and mitigate conflict through infrastructure development, workforce preparation, business development, governance improvement and former combatant reintegration. In this and subsequent phases of the program, more than 100,000 people were able to move out of poverty.

1993  Berger/ABAM was retained by Hyundai Merchant Marine (later Washington United Terminals) to prepare designs for a new marginal wharf for unloading containers at its facility at the Port of Tacoma. The wharf was designed and bid in record time.

1993  Louis Berger provided design review and construction supervision services for the development of a 20-kilometer underground mass rapid transit system in Bangkok, Thailand.

1993  Louis Berger was selected for the design and supervision of the world’s longest bridge, the 10-kilometer-long Hai Van Pass tunnel in Da Nang, Vietnam.

1994  Louis Berger began providing project management services for the extension of a 7-kilometer metro line in Budapest, Hungary.

1994  Louis Berger supported the Strategic Defense Initiative Organization (“Star Wars”) and its successor agency, the Ballistic Missile Defense Organization, with facility programming and siting, planning and environmental support for one of the largest research and development programs in the history of the DOD. The company supported missile defense testing at DOD locations throughout the United States and the Pacific.

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1996  The main terminal expansion project at Washington Dulles International Airport in Virginia was completed, doubling the size of the structure. Ammann & Whitney designed the original building in 1958 and provided structural designs for the expansion.

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1997  Ammann & Whitney, a worldwide leader in the rehabilitation and construction of long-span bridges and complex structures, joined Louis Berger to solidify its existing structural engineering practice. The firm was founded in 1946 by Othmar Ammann, a pre-eminent bridge engineer, and Charles Whitney, a renowned designer of innovative structures.

1997  Berger/ABAM assisted China’s Highway Planning and Design Institute with the design of the structure.

1998  Louis Berger was selected to serve as certifying engineer for a 32-kilometer-long bridge connecting Yangshan Port with the mainland.

1998  Louis Berger was selected for the design and construction supervision of Vietnam’s 6-kilometer-long Hai Van Pass tunnel in Da Nang, Vietnam.

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1999  Louis Berger began providing strategic, engineering and economic support for the proposed Yangshan Port, located off the coast of Shanghai, China. Louis Berger and Ammann & Whitney also were involved with preparing designs for a 32-kilometer-long bridge connecting Yangshan Port with the mainland.

“Using its global resources to deliver complex infrastructure programs locally, such as state-of-the-art airports and transit systems, is one of Louis Berger’s core competencies.”

D. James Stamatis, President, International

From top: Manzanillo International Terminal, Panama; Growth with Equity in Mindanao Program, Philippines

Louis Berger International Airport AirTrain, Newark, N.J.
Celebrating 60 Years

Building the world.

1953
One office, 12 employees.

1968
Offices in 10 U.S. states and 16 countries, 900 employees.

1986
Offices in 21 U.S. states, projects in 80 countries, 1,800 employees.

2003
More than 3,000 employees, annual revenue of $443 million.

2009
Annual revenue surpasses $1 billion.

2013
More than 100 offices in 27 U.S. states and 57 countries, 6,000 employees.

Connecting its people.

“I like to tell people that we are working on every inhabited continent in the world. So there is a project just about any hour of the day that is under way someplace in the world.”

Nicholas J. Masucci, President and CEO

Advancing communities.
I am not interested in building a bridge just because someone says one is needed. I want to know if it is needed, and why, and where is the best way to deliver complex projects quickly and cost-efficiently.

Fredric S. Berger, Member, Board of Directors

This image provides a visual representation of the building projects of Louis Berger, a company known for its contributions to infrastructure. The images included are from various locations and time periods, showcasing the company's diverse projects across the globe. The timeline covers significant events in the company's history, highlighting its involvement in various projects that have had a lasting impact on the future of infrastructure.
Louis Berger’s services in the new millennium reflect the world’s rapidly evolving political and environmental climates...
2002 Louis Berger began preparing designs and supervising the rehabilitation of 80 kilometers of Tajikistan’s Dushanbe–Kulyab Road.

2002 Louis Berger was selected by USAID to manage the Rehabilitation of Economic Facilities and Services (REFS) program in Afghanistan. The firm, in joint venture with Black & Veatch, was subsequently retained by USAID in 2007 to manage the program’s follow-up effort, the Afghanistan Infrastructure and Rehabilitation Program (AIRP). The objectives of REFS and AIRP were to spur economic recovery and political stability through the reconstruction, rehabilitation and development of vital infrastructure throughout Afghanistan. Projects completed under these programs included the 389-kilometer Kabul–Kandahar Highway, Afghanistan. Projects completed under these programs included the 389-kilometer Kabul–Kandahar Highway, included the 31-megawatt Kajakai Dam Hydropower Station, and numerous other road, school, health and power transmission facilities.

2002 BergerABAM completed the project management and preliminary engineering services for the redevelopment of Terminal 18 at Harbor Island in Seattle, Wash., for SSA Marine. The project included infrastructure improvements to the existing 110-acre terminal, a 90-acre terminal expansion, and significant utility, railroad and roadway reconstruction.

2002 Louis Berger was commissioned by the New Jersey Turnpike Authority to provide disinterment and reinterment services at the Potter’s Field burial ground in Secaucus, N.J., in order to facilitate construction of a highway interchange. The project was heralded as the largest single disinterment within the United States.

The effect of the Kabul–Kandahar Highway on the local population was huge. Prior to opening the road, it took 18 hours to drive from Kandahar up to Kabul. We cut that time down to five hours. People had access now to the capital, health care, schools and business opportunities.”
Pat Quinn, Corporate Vice President

2003 Louis Berger began providing program management and implementation services for the Emergency Reconstruction and Rehabilitation Project in the Democratic Republic of the Congo. The program focused on basic infrastructure improvements in transportation, water, energy and urban development.

2003 Louis Berger was selected by the Metropolitan Transportation Authority and New York City Transit to prepare an environmental impact statement for the Fulton Center subway station. The firm conducted studies of current station configurations, train schedules and passenger transfers and recommended upgrades to improve passenger movement at the facility.

2003 Louis Berger began serving as program manager of the Tonle Sap Environmental Management Project in Cambodia. The objective of the program was to introduce sustainable management and conservation procedures at the Tonle Sap basin, one of the world’s most productive ecosystems.

2003 The design-build team of BergerABAM and General Construction Company (now Kiewit) completed the U.S. Navy’s Pier D replacement at Naval Station Bremerton (now Naval Base Kitsap) in Washington. The project included the demolition of an existing pier and the design and construction of a new 1,312-foot-long by 150-foot-wide pier and necessary utilities to support an aircraft carrier and auxiliary oiler/ammunitions ship.

2003 Louis Berger began managing the Clean Technology Initiative (CTI) in India’s Taj Trapezium Zone (TTZ), located in the northern state of Uttar Pradesh. The objective of CTI was to promote environmental improvement practices and reduce emissions in the industrial, transport and urban sectors in TTZ to protect the Taj Mahal and other local landmarks from environmental degradation.

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2003 Louis Berger was selected by the government of Vietnam’s Ministry of Agriculture and Rural Development to supervise the rehabilitation of irrigation, drainage and watershed protection systems in the Red River basin and delta. Vietnam’s Red River, which directly serves eight provinces and two municipalities, is one of the nation’s most valuable resources.

2004 Klohn Crippen Berger and Louis Berger began working at Peru’s Antamina mine, preparing a feasibility study and recommending an innovative wetland treatment to remove ammonium and molybdenum from incoming mine drainage. In 2009, Klohn Crippen Berger was commissioned to develop a water quality/water balance model for Compania Minera Antamina SA to facilitate mine closure planning.

2004 Anman & Whitney was selected by the Pennsylvania Department of Transportation to prepare designs for the rehabilitation of several major structures throughout the city of Philadelphia, including a structure carrying Interstate 76 over the Schuylkill River and a structure surrounding Amtrak’s 30th Street Station complex.

2004 Louis Berger began managing a variety of assignments aimed at stimulating economic growth and generating employment opportunities in Iraq, including the USAID–Jafar Private Sector Growth and Employment Generation Project, the USAID–Joma Agribusiness Program and the USAID–Tijane Provincial Economic Growth Program.
2004 \hspace{1em} CHELBI began work on the Hong Kong–Zhuhai–Macau Bridge. To date, the firm has completed an engineering feasibility study and analyzed the potential economic impacts of the proposed 50-kilometer link.

2004 \hspace{1em} Klohn Crippen Berger was recognized with a Consulting Engineers of British Columbia Award of Merit for transportation engineering for its work on the seismic retrofit of the 670-meter-long north approach viaduct of the Lions Gate Bridge in Vancouver, British Columbia, Canada. The firm was retained by the American Bridge/Surespan joint venture to provide design-build engineering services.

2005 \hspace{1em} BergerABAM prepared designs for the improvement of the U.S. Coast Guard’s Port 36 Berth Alpha in Seattle, Wash. The assignment involved strengthening the structure and expanding the berth area to accommodate larger vessels.

2005 \hspace{1em} Louis Berger and BergerABAM were commissioned by Clark County's Department of Public Works to prepare designs for three pedestrian bridges along Nevada’s Las Vegas Strip.

2005 \hspace{1em} Louis Berger was commissioned by the New Jersey Turnpike Authority to provide final designs for an interchange in Secaucus, including a 3,100-foot-long viaduct connecting Exit 15X of the New Jersey Turnpike with the Frank R. Lautenberg Rail Station at Secaucus Junction.

2005 \hspace{1em} Louis Berger began managing the construction of the new 2,400-kilometer Saudi Railway in the Kingdom of Saudi Arabia. The project involves the construction of freight and passenger rail through a challenging terrain of large sand dunes and remote desert, installing more than 150 bridges and 4,000 culverts, and constructing five major passenger stations.

2005 \hspace{1em} Klohn Crippen Berger was retained by Port Metro Vancouver to serve as prime consultant for the expansion of Deltaport Berth 3 in Vancouver, Canada. The company formed and managed a multidisciplinary engineering team to design and monitor the construction of the marine facilities and associated environmental habitat compensation works.

2005 \hspace{1em} Louis Berger began assisting the New Jersey Turnpike Authority with the widening of 35 miles of the corridor between interchanges 6 and 9 to alleviate congestion. The team’s duties have included providing a variety of engineering and environmental services.

2006 \hspace{1em} Louis Berger, in partnership with USAID and the government of South Sudan, began managing the Sudan Infrastructure Services Program. The objectives of the program included enhancing transportation, water, power and other infrastructure to achieve sustainable economic and institutional development. The program resulted in the completion of the nation’s first paved highway and increased clean water supply in the area.

2006 \hspace{1em} Ammann & Whitney was selected to provide construction inspection services for the rehabilitation of the 2,375-foot-long Alexander Hamilton Bridge to extend its service life, improve safety and accommodate increasing traffic. Located a half-mile east of the George Washington Bridge, the structure is a vital link between New York’s Trans-Manhattan Expressway and Cross-Bronx Expressway.

2007 \hspace{1em} Louis Berger was selected by the New York State Department of Transportation to mitigate impacts on the habitat and migration corridors of several reptile species near Stewart International Airport in Newburgh, N.Y.

2007 \hspace{1em} Louis Berger began providing construction management, engineering and environmental services for the 25,000-seat Red Bull Arena in Harrison, N.J., and a 20-acre training facility for Major League Soccer’s New York Red Bulls in Hanover, N.J.

2007 \hspace{1em} Louis Berger conducted a siting study and associated environmental evaluations for the Trans-Allegheny Interstate Line, a 240-mile-long transmission line between southwestern Pennsylvania and northern Virginia. The line will include three 158-kilovolt segments and one 180-mile, 500-kilovolt segment.

2007 \hspace{1em} Berger/Cummins, a joint venture between Louis Berger and Cummins Power Generation, began providing interim power solutions to the U.S. military, including turnkey engineering, procurement, construction, and operations and maintenance services. The success of this program led to the creation of Louis Berger’s global operations energy system (GOES) business unit in 2011. GOES has designed, built and/or provided operations and maintenance services for 15 power plants and electrical distribution systems on four continents with an installed capacity of more than 300 megawatts.
Louis Berger has worked on some of the most iconic projects in the world, from the Lincoln Memorial Reflecting Pool and Washington Monument rehabilitation projects to the Clean Technology Initiative preserving the Taj Mahal.

Thomas G. Lewis, President, Group

2008 Louis Berger completed its work as dam safety engineers for the Glenmore Dam and Reservoir in Alberta, Canada.
2008 Louis Berger began assisting USACE, Baltimore District to develop the comprehensive 10-year Anacostia River Watershed Restoration Plan as part of an initiative to reduce pollution levels and protect valuable ecosystems.
2008 Louis Berger began conducting route selection, field studies, permitting and public outreach support during the planning phase of the proposed 147-mile, 500-kilovolt Susquehanna–Roseland transmission line between Pennsylvania and New York.
2008 The 26-gate JetBlue Terminal at New York’s John F. Kennedy International Airport (JFK) was completed. Ammann & Whitney provided structural engineering services for the terminal, which is capable of accommodating 46,000 passengers per day on 500 inbound and outbound flights, and approximately 20 million passengers per year. The firm is currently providing structural engineering services for the 150,000-square-foot expansion of the JetBlue T5 terminal at JFK.
2008 The 36-kilometer-long Hangzhou Bay Bridge in Zhejiang province, China, was opened to the public. CHELBI played an integral role in the construction of the structure, which is one of the longest ocean-crossing bridges in the world.
2008 Louis Berger was selected by the New Jersey Department of Environmental Protection, in association with the National Oceanic and Atmospheric Administration, to develop an innovative program to restore 40 acres of wetlands and redevelop a landfill for active recreation use at Lincoln Park in Jersey City, N.J.
2008 Louis Berger began providing technical assistance to the Roads Department of Morocco for implementation of the Second National Feeder Roads Program to improve the accessibility of rural roads throughout the country.

From top, left to right: Queen Alia International Airport, Amman, Jordan; JetBlue Terminal, John F. Kennedy International Airport, New York, N.Y.; Lincoln Park wetlands, Jersey City, N.J.; Glenmore Dam and Reservoir, Alberta, Canada

2008 Louis Berger was selected by the Airport International Group consortium and the Joanna & Paraskevaidis Ltd. and J&P-AVAX S.A. joint venture to provide independent engineering services for the rehabilitation, expansion and modernization of Jordan’s Queen Alia International Airport.
2008 Ammann & Whitney was commissioned by the Virginia Department of Transportation to prepare designs for the rehabilitation of the 3,000-foot-long Huguenot Memorial Bridge in the city of Richmond.
2008 Construction began on the 65-kilometer second Algiers Ring Road between Zerzula and Bougdous in Algeria. Louis Berger developed contract documents, reviewed designs and supervised construction for the project, an important part of the country’s long-term road master plan.
2009 The National Park Service selected Louis Berger to provide construction documents for the complete structural rehabilitation of the Lincoln Memorial Reflecting Pool in Washington, D.C. Ammann & Whitney supported the effort as structural designer.
2009 Louis Berger created a “Five Point Energy Challenge” for the South Jersey Transportation Authority (STJA). The comprehensive energy strategy aims to reduce energy consumption by more than 20 percent and increase the use of renewable energy to supply 5 to 15 percent of STJAs’ energy demand.
2009 Louis Berger began assisting the U.S. Environmental Protection Agency with the remedial dredging of New York’s Hudson River.

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CHELBI received a National Excellence Engineering Consulting Achievement Award from the China National Association of Engineering Consultants for the Qingdao Haiwan Bridge project in China. The 41-kilometer-long structure, opened in 2011, is among the world’s longest sea bridges.
2009 Louis Berger was selected by USACE, Gulf Region South District to develop a water and sewerage master plan for Iraq’s Babil province. The objective of the firm’s assignment is to provide a comprehensive plan that will serve as an inventory of existing facilities and a guide for the expansion of the water supply and sanitary sewer systems in order to serve its growing population.
2009 Ammann & Whitney served as structural consultant for the design and construction of a new 240,000-square-foot facility for the National Defense University at Fort Lesley J. McNair, a U.S. Army post in Washington, D.C. The complex includes state-of-the-art conference facilities, an academic center and an 800-seat auditorium.
2009 Louis Berger, in collaboration with BergerABAM, was retained by EuroChem Corporation to manage the design and construction of a new greenfield, multi-use export 60 kilometers east of Lagos, Nigeria’s principal port city. The new port facility, Port@Lekki, will cover an area of 222 acres and form an integral part of the new 548-acre Lagos Free Trade Zone currently being developed as a multi-product industrial and logistics hub for the entire West African region.
2009 Louis Berger began developing the Comprehensive Northern Corridor Infrastructure Master Plan, a long-term program for strategic development of East Africa’s primary transportation corridor that links Kenya, Uganda, Rwanda, Burundi, the Democratic Republic of the Congo and South Sudan.
2009 Louis Berger was commissioned by USACE, Kansas City District to assess the impacts of sedimentation in the Missouri River basin.

2008 Louis Berger was selected by Louis Berger was selected by the New Jersey Department of Environmental Protection, in association with the National Oceanic and Atmospheric Administration, to develop an innovative program to restore 40 acres of wetlands and redevelop a landfill for active recreation use at Lincoln Park in Jersey City, N.J.
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From top, left to right: Lincoln Memorial Reflecting Pool (foreground) and Washington Monument (background) rehabilitation, Washington, D.C.; Paramount Center, Emerson College, Boston, Mass.; Hudson River, New York; Muscannon River, Montana

Louis Berger was selected as program manager for the construction of Al Salam Street in Abu Dhabi, United Arab Emirates. Rededicated Sheikh Zayed Road upon opening in 2012, the project doubled the corridor’s traffic capacity and alleviated congestion by creating a limited-access cut-and-cover tunnel.

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Louis Berger continues to provide solutions for a better world ...

2010 | Louis Berger began providing technical assistance to the Project to Build Commercial and Entrepreneurial Capacities in the Republic of the Congo (PROCEC). PROCEC seeks to improve the economic competitiveness of the Republic of the Congo by diversifying its entrepreneurial network and strengthening the private sector.

2010 | The Main Terminal and Concourse C East Amtrak Train stations at Virginia’s Washington Dulles International Airport opened. Ammann & Whitney prepared designs for the facilities.

2010 | Klohn Crippen Berger received a Canadian Consulting Engineering Award of Excellence for its work on the Nam Theun 2 Hydroelectric Project, Laos/Thailand.

2011 | Louis Berger began providing construction management services for eight buildings in Qatar’s Education City. Education City is a mixed-use development containing international universities, primary and secondary schools, sports facilities, a science and technology park, a convention center, and a teaching hospital.

2011 | Louis Berger completed managing the construction of a new 964-meter-long bridge over the Sava River in Belgrade, Serbia. The bridge, officially known as Bridge on Ada, is one of the largest cable-stayed structures in Europe.

2011 | Louis Berger, in collaboration with Egis Rail, was selected to provide project management consultancy services for the Gold Line and major stations of the Doha Metro in Qatar. One of the projects of the country’s ambitious rail plan, the Doha Metro will total 234 kilometers with 93 stations upon completion in 2026.

2012 | Louis Berger, in collaboration with EGIS Rail, was selected to provide project management consultancy services for the replacement of suspender ropes and the rehabilitation of main cables and cable strands on the George Washington Bridge in New York. Company founder Othmar Ammann designed the structure in 1931.

2012 | The Northeast Maglev, working with Central Japan Railway, commissioned Louis Berger to study the implementation of a superconducting maglev train system between Washington, D.C., and New York City. Louis Berger is providing a variety of services for this transformational project, which is expected to be the first truly high-speed rail system in the United States.

2012 | Louis Berger, in joint venture with Hill International, was selected to provide project management and construction management services for the Riyadh Metro project in Saudi Arabia.

2013 | The eastern span of California’s San Francisco–Oakland Bay Bridge was opened. Klohn Crippen Berger was retained by American Bridge-Flour to provide lead construction engineering services for the replacement of the span. Under a separate contract, Ammann & Whitney provided engineering services for the cable installation and load-transfer sequencing. The new structure is the world’s largest self-anchored suspension bridge.

2013 | The Dragon Bridge over the Han River in Da Nang, Vietnam, opened. The 666-meter-long, multi-arch structure is illuminated by approximately 15,000 LED lights and “breaths” fire on weekends and special occasions. Louis Berger and Ammann & Whitney prepared designs for the bridge.

2013 | Louis Berger, in collaboration with the China Communications Construction Company/Highway Planning and Design Institute, completed the design of a bridge spanning the Atlantic Ocean entrance of the Panama Canal. The firm was previously involved with the construction of the two existing structures over the Panama Canal, the Bridge of the Americas and the Centennial Bridge, each located on the Pacific Ocean side of the canal.

“As we turn the corner from the first decade of the new millennium, I am excited by the opportunities that this next decade will offer and the challenges we will face.”

Jean-Pierre Dupaqcq, General Manager Delegate, Africa

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2013 | Louis Berger began providing construction management services for an enhanced nutrient removal facility at the Back River Wastewater Treatment Plant, the largest wastewater facility in the city of Baltimore. The project builds on the work of the firm’s water services practice, which has provided program management for the city’s Sanitary Sewer Overflow Consent Decree Program since 2006.
A Lasting Legacy
Continuing Dr. Berger’s commitment to education

In addition to his standing as a devoted family man, a caring friend, a talented engineer and a successful businessman, Dr. Berger (1914–1996) was a lifelong academic, a dedicated teacher and an avid supporter of education.

During his lifetime, Dr. Berger gave generously to the myriad institutions in which he most staunchly believed, providing financial endowments to Tufts University, the Massachusetts Institute of Technology, Northwestern University and various other schools.

Louis Berger has continued this long-standing tradition of supporting education in a number of ways throughout the years, establishing the Louis Berger International Scholar Award at the New Jersey Institute of Technology (NJIT); launching the Build for Growth learning initiative and Louis Berger University websites; creating the Louis Berger Fellowship in collaboration with Rutgers University’s Bloustein School; and providing funding for the development of the Science and Technology Enrichment Program (STEP) at NJIT. Louis Berger has also sponsored programs and provided donations to Kabul University and the American University of Afghanistan and partnered with the University of Panama to develop a master’s of applied environmental management program.

In celebration of the 60th anniversary of Louis Berger, the firm has established the Louis Berger Foundation. The primary goal of the foundation is to continue Dr. Berger’s legacy of supporting personal and professional development through education. It is the company’s hope that investing in quality education will enable individuals to achieve great things in the professional world and contribute to the betterment of society. The firm also envisions the Louis Berger Foundation as a means to increase the effectiveness of its numerous philanthropic activities around the globe.

For 60 years, Louis Berger has strived to provide solutions for a better world. The firm has been able to accomplish this largely through its impressive project work. With the establishment of the Louis Berger Foundation, the company aims to enhance its existing educational support and charitable efforts to achieve even greater, far-reaching and positive impacts worldwide.

Dr. Berger (center) attends a ceremony establishing Tufts University’s first Chair in the College of Engineering and Environmental Science.