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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.

President and CEO
An Engineering Pioneer

Dr. Louis Berger

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.

1959 ▶ Louis Berger began designing several large bridges in Buffalo, N.Y., including the Ohio Street Lift Bridge over the Buffalo River.

1959 ▶ Louis Berger completed its first international assignment, assisting in the rehabilitation of 700 kilometers of the Rangoon–Mandalay Road in Burma (Myanmar). The project, which was scheduled to take a year to finish, was completed in just 90 days.
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.

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.

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.

Louis Berger prepared a detailed feasibility study for a 965-kilometer road project in East Pakistan (modern-day Bangladesh).

Louis Berger began assisting in the upgrading of Brazil’s BR-2, an important highway route between Rio de Janeiro and Sao Paulo.
“Louis Berger was a ‘global’ company before it became a large company.”

Nicholas J. Masucci, President and CEO

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, 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 closely held, affiliate and investment company offices as well as more than 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.
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.

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.
“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

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 200-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.
Louis Berger experiences a period of portfolio expansion and employee growth ...
1984 Louis Berger completed a cultural resource assessment and full-scale archaeological excavation at a Barclays bank construction site in New York, N.Y.

1984 Dr. Louis Berger, with the Highway Planning and Design Institute of the Ministry of Communications (now the China Communications Construction Company Ltd.), co-founded CHELBI, a China-based transportation engineering firm.

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 technical advisor to the underwriting banking syndicate for the design, cost and schedule monitoring, and risk analysis of the Channel Tunnel linking the United Kingdom with France.

“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. Marcenaro, Group Vice President Emeritus

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 1951, 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 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.

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.

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

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.

Louis Berger prepared an overall development plan comprising eight separate master plans for the Freeport Mining Company to improve infrastructure in Irian Jaya, Indonesia.

Louis Berger began a 20-year assignment serving as program manager for the development of a comprehensive combined sewer overflow abatement program in Providence, R.I., in support of the Narragansett Bay Commission.

Louis Berger prepared the Trans-Hudson crossings master plan for the Port Authority of New York and New Jersey.

Ground was broken on the first section of the Las Vegas Beltway, the Interstate 15/McCarran Airport Connector, in Nevada. Louis Berger served as design engineer for this and seven subsequent sections of the highway.

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

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.

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.

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.

Louis Berger was selected to serve as certifying engineer for a 23-kilometer elevated metro system serving the central metropolitan district of Bangkok, Thailand.
Berger World 11

1995 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.

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.

1997 BergerABAM 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.

1997 The 3,618-meter Humen Pearl River Bridge in Guangdong province, China, opened. CHELBI assisted China’s Highway Planning and Design Institute with the design of the structure.

1998 Louis Berger began providing project management services for the extension of a 7-kilometer metro line in Budapest, Hungary.

1998 Louis Berger provided design review and construction supervision services for the development of a 20-kilometer underground mass rapid transit system in Bangkok, Thailand.

1999 Canada-based Klohn Crippen (now Klohn Crippen Berger), founded in 1951, joined Louis Berger, enhancing the company’s geotechnical, mining and hydropower capabilities.

1999 Louis Berger began providing strategic, engineering and economic support services 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

Celebrating 60 Years

Building the world.

1953
One office, 12 employees.

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

Connecting its people.

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

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.
Louis Berger through the years...
14. Berger World

I want to know if it is needed, and why, and where is because someone says one is needed. I want quickly and cost-efficiently.

Our clients worldwide have delivered complex projects through the years …

Fredric S. Berger, Member, Board of Directors

21st century, billion-size global firm to a growing legacy. … Each of us can have a lasting impact on the future … We are all part of the company’s Global Strategy and Development.

Larry D. Walker, Executive Vice President, Global Strategy and Development

Thank you for this opportunity to be part of this year’s banquet. I am honored to have you as my guests.

Chris Germanacos

Casualty and Surety Insurance

It is through the years …
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 place to put it. I want to know how the building of that bridge will change the lives of the people who use it.

Dr. Berger, Founder

Our clients worldwide have come to rely on our ability to deliver complex projects quickly and cost-efficiently.

Chris Germanacos, Senior Vice President, Central/Eastern Europe and CIS

We spent the decade transitioning from a 20th century, medium-size global firm to a 21st century, billion-dollar corporation.

Fredric S. Berger, Member, Board of Directors

Each of us can contribute to this company.

Larry D. Walker, Executive Vice President, Global Strategy and Development

1950

1960

1970

1980

1990

2000

2010
The building of that bridge will change the
1960

I am not interested in building a bridge just
to know if it is needed, and why, and where is

Dr. Berger

Our clients worldwide have
to deliver complex projects
through the years …

Chris Germanacos

We are all part of the company’s
growth story … Louis Berger has been

Fredric S. Berger

of this company.

Louis Berger

have a lasting impact on the future
for the climate and the

Larry D. Walker

are part of the company’s

20th century, medium-
transitioning from a
21st century, billion-
size global firm to a
dollar corporation.

CIS

Central/Eastern Europe

Berger senior management;

Pavilion, Bangkok, Thailand; 18.
Dr. Berger (center); 17.
Ovda Air Base, Israel;
16. Dr. Berger;

15. New Jersey Turnpike
opening, Trenton, N.J.;
14. borings and soils investigations,
New York/New Jersey;
13. borings and soils investigations,
Midgard, Bangkok, Thailand;
12. Interstate 295/Interstate 95
overflow abatement program, Providence, R.I.;
11. coral reef restoration, Tukwila, Wash.;
10. Dr. Berger (left) at Kittikachorn
Expressway construction, Bangkok, Thailand;
9. Interchange 15, Las Vegas, Nev.;
8. Indus River navigation
expressway construction, Bangkok, Thailand;
7. Interstate 15, Las Vegas, Nev.;
6. Interstate 91 crossing over the
Connecticut River, Chicopee to West Springfield, Mass.;
5. Juba–Nimule Road inauguration, South
Sudan; 4. National Stadium, Bucharest, Romania;
3. Meadowlands restoration, New Jersey;
2. Saudi Railway station rendering,
North Intermodal Yard, Seattle, Wash.;
1. Pier 36 Berth 34 interchange, New Haven, Conn.;

34 interchange, New Haven, Conn.;

State Route 520 Floating Bridge,
Puerto Rico; 33. Washington D.C. planning initiative;
32. Trump Ocean Club International
Parking Structure, San Diego, Calif.;
31. Gateway at Transit Village,
New York, N.Y.;
30. Back River Weir, Alberta, Canada;
29. Washington Dulles International Airport
Lee Ahlstrom (right), China;
28. Interstate 295/Interstate 195,
Ohio; 27. Interstate 295/Interstate 195,
New Jersey; 26. Dr. Berger
building and staff, Calabar, Nigeria;
25. New Mariscal Sucre International
Deep-water Port, Cameroon; 24. Alpha, Seattle, Wash.;
23. /Interstate 15, Las Vegas, Nev.;
22. Buen Aires (left);
21. Ovda Air Base, Israel;
20. Interchange 15, Las Vegas, Nev.;
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North Intermodal Yard, Seattle, Wash.;
1. Pier 36 Berth 34 interchange, New Haven, Conn.;
Louis Berger’s services in the new millennium reflect the world’s rapidly evolving political and environmental climates ...

2000 • Louis Berger began providing engineering consulting services for various airside and landside improvements at Cambodia’s Siem Reap, Phnom Penh and Sihanoukville international airports.

2000 • Louis Berger began providing construction management and resident engineering inspection services at Georgia’s Hartsfield–Jackson Atlanta International Airport. To date, the project has included the construction of a 1-million-square-foot, 12-gate terminal and a 9,000-foot runway.

2000 • Ammann & Whitney began design work for the rehabilitation and replacement of the deck of New York City’s Robert F. Kennedy (Triborough) Bridge. Company co-founder Othmar Ammann prepared designs for the structure in the 1930s, and the firm has undertaken numerous other assignments at the bridge since, including performing biennial inspections between 1992 and 2004.

2001 • Klohn Crippen Berger received an Award of Excellence for resource development and an Award of Merit in the international category from the Consulting Engineers of Alberta for its work on the Molikpaq Drilling and Production Platform, located off the coast of Russia’s Sakhalin Island. The platform was constructed to improve oil extraction. Klohn Crippen Berger’s duties included designing and installing 12 seawater supply wells within the sand core of the Molikpaq.

George W. Bush Elected U.S. President | 9/11 Terrorist Attacks Take Place in New York City and Washington, D.C. | Anthrax Attacks Occur in U.S. | Apple Launches iPod and iPhone | U.S. Led Forces Into Afghanistan and Iraq | East Timor Gains Independence | War in Darfur Begins | Space Shuttle Columbia Disintegrates | Social Media Popularized | Earthquake in Indonesia Causes Tsunami | Vladimir Putin Elected President of Russia | YouTube Launched | Hurricane Katrina Wreaks Havoc in North and Latin America | Iran Confirms Nuclear Program | Worldwide Economic Recession Hits | Oil Prices Rise | Barack Obama Becomes First African-American Elected U.S. President | Smartphone Usage Soars | Climate Change and Global Warming Raise Global Debates
In the midst of the World Trade Center recovery effort following the tragedy of Sept. 11, 2001, Louis Berger was selected as the program manager for the Downtown Restoration Program by the Port Authority of New York and New Jersey. The complex program has involved the construction of a new Port Authority Trans-Hudson terminal; the development of the National September 11 Memorial and Museum; and the construction of the 1,776-foot-tall, 104-floor, 3.5-million-square-foot One World Trade Center.

In 2002, Louis Berger was selected to review traffic studies, revise highway designs and re-assess the economic feasibility of constructing a bypass in Sarajevo, Bosnia-Herzegovina's capital city. The project was one of many completed by the company on the Pan-European Corridor V, an important link in Eastern Europe, since the late 1990s.

In 2002, Klohn Crippen Berger was retained as owner’s engineer for the environmental approvals process, design-build contract, design and construction of the Arrow Lakes Generating Station in Castlegar, British Columbia, Canada.

In 2002, Louis Berger was selected by the Long Island Rail Road to provide engineering and environmental planning services for the design and construction of a new intermodal center at New York’s Mineola Station.

Louis Berger has worked in fragile states and developing economies to reduce poverty and spur sustainable economic growth through the improvement of physical, environmental and social infrastructure.”

Charles Bell, Group Vice President, Integrated Development

From top: Mineola Station, Mineola, N.Y.; Arrow Lakes Generating Station, Castlegar, British Columbia, Canada; Sloboda Bridge, Novi Sad, Serbia
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, the 31-megawatt Kajakai Dam Hydropower Station, and numerous other road, school, health and power transmission facilities.

“\nThe 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

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 hailed as the largest single disinterment within the United States.

From top, left to right: Pier D, Naval Station Bremerton (now Naval Base Kitsap), Washington; Kabul–Kandahar Highway construction, Afghanistan; Fulton Center subway station rendering, New York, N.Y.; Potter’s Field, Secaucus, N.J.
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/ammunition 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.

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.

2003 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 ammonia 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 Ammann & 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–Izābhar Private Sector Growth and Employment Generation Project, the USAID–Iīnna Agribusiness Program and the USAID–Tājara Provincial Economic Growth Program.
2004 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 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 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 BergerABAM prepared designs for the improvement of the U.S. Coast Guard’s Pier 36 Berth Alpha in Seattle, Wash. The assignment involved strengthening the structure and expanding the berth area to accommodate larger vessels.

2005 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 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 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 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 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 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 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 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 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 138-kilovolt segments and one 180-mile, 500-kilovolt segment.

2007 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.

“Our clients absolutely trust us with their projects. That’s why we get repeat business.”
Connie Crawford, Senior Vice President
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.

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.

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.

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.

Louis Berger was selected as program manager for the reconstruction 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.

Klohn Crippen Berger completed its work as dam safety engineers for the Glenmore Dam and Reservoir in Alberta, Canada.

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.

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.

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
2009 | 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 seaport 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 the Airport International Group consortium and the Joannou & Paraskevaides 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 Zeralda and Boudouaou 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 (SJTA). 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 SJTA’s energy demand.

2009 | Louis Berger began assisting the U.S. Environmental Protection Agency with the remedial dredging of New York’s Hudson River.
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 (PRCCE). PRCCE 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 East AeroTrain 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, a long-term effort to develop and transport up to 3,000 megawatts of hydropower from Laos to neighboring Thailand.

2011 The National Arena, located in the Lia Manoliu Sports Complex in Bucharest, Romania, opened. Louis Berger managed the construction of the 55,000-seat stadium, which features a retractable roof, state-of-the-art sound and video systems, and a grass playing field with a built-in heating system.

2011 Louis Berger, in collaboration with Utah State University, developed a study for the U.S. Army on alternative fuel production. The team estimated that the U.S. Army could convert a portion of its lands to farm oilseed crops to use as an alternative fuel source, reducing land maintenance costs, promoting environmental sustainability and supporting energy independence.

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.

2012 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 increased its operations and maintenance capabilities by joining forces with Ranger International Services Group to form Louis Berger Services and later adding Hawthorne Services. Louis Berger Services is currently providing support at military installations, commercial airports and government complexes in Kuwait, Spain and the United States.

2012 BergerABAM served as the prime design engineering consultant and engineer of record for the Washington United Terminals’ wharf extension project at the Port of Tacoma in Washington. The project enabled the wharf to add two new super post-Panamax cargo cranes, capable of serving next-generation container ships.
2013 The eastern span of California’s San Francisco–Oakland Bay Bridge was opened. Klohn Crippen Berger was retained by American Bridge-Fluor 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 “breathes” 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.


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.

2013 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 APIA XXI, a Spanish multidisciplinary consulting engineering and management firm, joined Louis Berger as the international design center of excellence.

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.

“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 meet.”

Jean-Pierre Dupacq, General Manager Delegate, Africa
A Lasting Legacy
Continuing Dr. Berger’s commitment to education

“Our employees are our most valuable asset, and fostering and supporting personal and professional development through education is not only vital to the individual, but to the company as well.”

Susan E. Knauf, Vice President and Chief Learning Officer

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.
“Like the famous quote about the British Empire, the sun never sets on the Berger offices and projects …”

Nigel C. Lewis, Director, U.K.

From top, left to right: Ohmi-Ohdori Bridge, Japan; King Abdullah Financial District Metro Station exterior rendering, Riyadh, Saudi Arabia; Bridge on Ada, Serbia; The National September 11 Memorial, New York, N.Y.; New Mariscal Sucre International Airport, Quito, Ecuador; Sudan Infrastructure Services Program, South Sudan