



AECOS was conceived and developed to eliminate inefficiencies in the building of structures. We strive to emulate the manufacturing industries where the key drivers are EFFICIENCY, TIME TO MARKET and COST EFFECTIVENESS.

The AECOS answer is INNOVATION and INTEGRATION to speed the time to build a structure and significantly reduce construction and other costs.

The combination of AECOS' patented technologies and integration dramatically reduce the cost and construction time to complete a project. In an industry where each individual project commonly carries values in the hundreds of millions to billion-dollar range, AECOS can bring project cost savings in the tens to potentially hundreds of millions of dollars per project, equating to savings in the range of 25% to 40%.

AECOS' technology and techniques also drastically reduce construction times, by as much as 40% to 60%. Such significant financial savings and dramatically compressed construction schedules are impacting the industry to a degree that simply cannot be ignored.



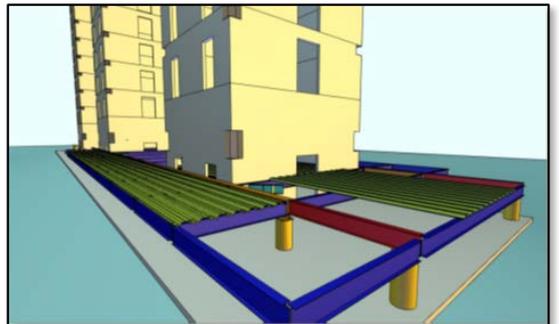
AECOS TopDown™ Construction - The One Story High Rise System™

Our patented construction system enables an entire high rise building to be constructed in a way that all the floors can be built safely at ground level and no worker needs to be more than six feet off the ground, building story after story without the use of a single high rise crane, cutting total structural weight in half and tower construction time down to a half or better, dramatically reducing interim interest and insurance costs. Whether a developer, general contractor or design professional, the patented AECOS TopDown™ system brings you the key to ensuring timely on budget completion of your project.



The patented AECOS TopDown™ system is the only process of its kind in the world. The product of decades of research and field testing, the system marks a true revolution in how high rises are designed and built.

The AECOS TopDown™ system is your path to success. An efficient process makes for an efficient project, so AECOS has integrated the latest in design technology into the system. Building Information Modeling, or BIM, is utilized throughout the design and development of the AECOS System to provide complete 3D designs for the project and to ensure that all key members of the design and development team have a unified vision and have identified all potential clashes in design to virtually eliminate the need for delays and change orders during construction. A precise plan for precision execution.



The Industrialization of Structure

It's something that every efficiency expert knows: mass production is the keystone of maximizing a budget. The AECOS TopDown™ system mass produces the floors of your high rise.

Historically, the natural construction variances that are a product of building several stories in the air made this impossible, but by creating every floor at ground level, the AECOS TopDown™ system provides greater control – maximizing the design efficiency of each floor. This enables mass production of all components with precise specifications unmatched by conventional construction practices.

But mass production in no way limits design flexibility. The AECOS TopDown™ system can be utilized to create a high rise of virtually any height, size or shape and the AECOS Curtain Wall System mean that the exterior can be created with almost any material.

Put simply, the AECOS TopDown™ system is the most efficient way to build a high rise in the world today. It's a revolutionary method to deliver excellence in construction – one story at a time.



7-Ways the AECOS TopDown™ System Maximizes Safety, Savings and Efficiency

1. **Ground Level Construction** – Each floor is constructed less than 6 feet off the ground so no worker needs to be tied off and can safely work at maximum efficiency.
2. **No High Rise Cranes Required** – The AECOS TopDown™ system eliminates the need for expensive high-rise tower cranes as well as the potential for delays due to high winds or mechanical breakdown
3. **50% Less Structural Weight** – By maximizing the structural efficiency of concrete and steel, the AECOS TopDown™ system cuts total structural weight roughly in half compared to conventional construction.
4. **Time Savings** – Through a combination of ground level construction, material reduction, and an industrialization of construction procedures, AECOS TopDown™ High Rises are constructed in typically half the time of conventional buildings.
5. **Column-Free Interiors** – The AECOS TopDown™ system is comprised of central cores in lieu of multiple internal and external support columns and shear walls providing maximum stability and complete architectural freedom in floor design.
6. **Ultimate Flexibility** – The AECOS TopDown™ system can create a high rise building of virtually any size or shape and can be utilized for almost any application.
7. **Building Information Modeling** – BIM technology is used throughout the development of an AECOS TopDown™ High-Rise to ensure the accurate realization of the developers' vision and the identification and elimination of any potential design and engineering clashes before construction begins.



Ongoing AECOS Project for a Fortune 50 client

Ten Story Office and Laboratory building, 630,000 sq. ft.

Time to complete 12 months AECOS System vs. 26 months for conventional construction

Projected 25% Cost Savings



Charles Thornton, Ph.D., P.E.-Hon. ASCE, Hon. AIA, NAE; Chairman

Professional Experience and Highlights

Charles Thornton's forty four years of experience with Thornton Tomasetti have included involvement in the design and construction of hundreds of millions of dollars' worth of projects in the U.S. and overseas, ranging from hospitals, arenas and high-rise buildings, to airports, transportation facilities and special projects.

Charles manages AECOS's design and construction development of industrialized building systems.

Chairman and Founding Principal, Thornton Termohlen Group, LLC

Project management and developer of industrialized building systems. Projects include: New York Hospital, New York; Chicago Stadium (Bulls and Blackhawks arena) and Comiskey Park in Chicago; the Nashville Arena in Nashville; the United Airlines Terminal at O'Hare Airport in Chicago; Terminal #1 at JFK Airport in New York; the 95-story Petronas Twin Towers of Kuala Lumpur City Centre in Malaysia; the 50-story Americas Tower in New York; the 65-story One Liberty Place in Philadelphia; and the 50-story Chifley Tower in Sydney, Australia.

Chairman, STRAAM Corporation

Developer of a technology company specializing in structural assessments of a wide variety of structures.

Chairman and Founder, ACE Mentor Program,

Offers guidance and training to inner city high schools students in architecture, construction and engineering in 180 cities across the U.S.

Chairman, Salvadori Center

Educated over 2000 New York City middle school students in mathematics and science using architectural and engineering principles.

Current Position

2012 - Present

Education

Honorary Doctorates,

Rensselaer Polytechnic
Institute (RPI)

Clarkson University

University of Connecticut
University of Hartford

Manhattan College, B.S.

New York University,
M.S., Ph.D.

Professional Licensure & Certifications

President Board of
Trustees of the Applied
Technology Council (ATC)

Board Member of:
Construction Industry
Round Table (CIRT)

NIBS's Multihazard
Mitigation Council (MMC)

Experience

50 years

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Brian S. Howells, FRAIA

President & CEO

Professional Experience and Highlights

More than 40 years of extensive global experience in all facets of the real estate and construction industry, with broad and comprehensive expertise in asset management, strategic planning, financial analysis, acquisitions and disposition negotiations, real estate development, planning and design, construction, operational management, administration and information technology.

Brian, together with partner Charlie Thornton, launched the new firm, AECOS, in late 2011, which combined the unique structural qualities of the 'TopDown' construction system (formerly TTG system) with the 'Partecnix' automated parking system.

Brian moved to the US in 1984 at the invitation of JPMorgan, where he spent almost 15 years, initially as Chief Architect for the Bank and subsequently as managing director with responsibilities for all global corporate real estate, design and construction.

Howells Alliance LLC 2000 – 2011

Contracted by Goldman-Sachs - Responsible for the management of legal, political and regulatory liaison and negotiations with Federal, State and Local Governmental Agencies for the G-S 42 story Office Tower development, Jersey City foreshore.

JP Morgan - Managing Director/Chief Architect 1984 – 1998

Director of Strategic Initiatives: Charged by Chairman to re-evaluate entire spectrum of development, management, structure, process and procedures across global real estate portfolio which exceeded 10 million SF.

Responsible for the institution's global corporate real estate, in terms of development and design for new construction, restoration and refurbishment.

Responsible for establishing the "JP Morgan Image" for the physical business environment, initiated with the design of the 1.7 Million SF World Headquarters at 60 Wall Street, New York. This new image was then implemented across all JP Morgan's global facilities.

Design and construction of Euroclear World Headquarters, a 646,000 SF development in Brussels, Belgium.

Design and development of JP Morgan European Headquarters, 750,000 SF development in London, UK.

Current Position

Co-Founder of AECOS

Education

Western Australian
Institute of Technology

Harvard University

Wharton School,
University of
Pennsylvania

Professional Licensure & Certifications

WA Architects Board
Registration

Fellow, Royal Australian
Institute of Architects

Experience

40+ years

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Leonard Neuhaus, CPA

Chief Financial Officer

Professional Experience and Highlights

Leonard Neuhaus has successfully led growing businesses (\$50+ million in revenues), national roll ups (25+ acquisitions), consolidations for publicly-held and privately owned entities, turn-arounds, start-ups and work outs. Leonard has created a culture of teamwork and accountability.

In addition, Leonard Neuhaus increased shareholder value by conceiving and executing on a vision of organic growth and growth through acquisitions, eight figure cost reductions, systems development, enhancement, efficiency and client satisfaction.

Leonard Neuhaus drove profitability through a myriad of channels during a wide variety of business stages. He has influenced and created buy-ins with leaders and stakeholders and has served as a respected independent director of publicly and privately held companies and not-for-profit entities.

Leonard Neuhaus has considerable expertise in the following areas:

LEADERSHIP

Team development - Vision / strategic planning - Execution - Board room presentations - Overall P&L responsibilities

FINANCIAL MANAGEMENT

Financing – debt and equity, public and privately held entities, private equity - Financial reporting including SEC reports

OPERATIONS

Cost reductions - Integration of acquisitions - Sourcing target entities - Negotiations - IT and HR leadership

Current Position

2012 - Present

Education

Queens College of the City University of New York, B.A.

Professional Licensure & Certifications

Certified Public Accountant, New York State

Member of the American Institute of Certified Public Accountants

Member of the New York State Society of Certified Public Accountants

Commercial Pilot

Experience

30 years

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Anthony Kelly, AIA, PE, LEED AP

Vice President – Design

Professional Experience and Highlights

Anthony Kelly is a proven successful Vice President of Design. Specializes in the planning, design, and management of complex healthcare facilities. Globally recognized for professional achievements in the design and project management of facilities. Project Director for the new Shore Health Regional Medical Center. Successfully managed the planning and design of the new 1.6 million sf Johns Hopkins Hospital. Served as the Director of Facilities and Construction Management Services at The Children's Hospital of Philadelphia.

Current Position

2013 - Present

Education

Wharton School of Business, University of Pennsylvania

Villanova University, MS

Lehigh University, B.A., B.S.

Professional Licensure & Certifications

Registered Architect, P.A.

Professional Engineer

Awards

Carol T. Humphrey Memorial

Publications

AIA Academy of Architecture for Health Awards Jury January 2012

Experience

20 years

Project Director, Shore Health System / University of Maryland Medical System, 2010-2013

Regional Medical Center Project Director responsible for coordination of all aspects of the planning and development for the New 352,000 SF Shore Health System Regional Medical Center.

Senior Project Manager, Ewing Cole, 2008-2010

Interior fit-out of 58,474 sf including 60 med/surg beds, administrative support space, storage, satellite pharmacy and Physical Therapy/Occupational Therapy gym. Conversion of a 320,000 sf industrial building into a new ambulatory care center.

Principal, Perkins & Will, 2005-2008

Functioned as Project Principal for Perkins + Will in the planning and design of the New Clinical Building at The John Hopkins Hospital.

Director, The Children's Hospital of Philadelphia, 2000-2005

Implemented A/E selection, design/construction project and financial management, technical consultation, contract development and administration, infrastructure planning and operational reviews.

Program Manager, Raytheon Engineers and Constructors, 1993-2000

Program Manager for: **Genentech, Facility Expansion Project** (San Francisco, CA). **Ortho Clinical Diagnostics, Research and Development** (Raritan, NJ), **OMJ Research** (Puerto Rico), **Janssen Cilag, Gap Research Facilities** (Mexico City, Mexico), **Bracco Diagnostics**, (New Brunswick, NJ), **Canadian Red Cross**, (Nova Scotia, Canada).

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Steve Houston, Ph.D., P.E., LEED AP

Vice President – Operations and Logistics

Professional Experience and Highlights

Steve Houston is a results-oriented operations leader with 25 years of global experience including over 15 years of successful senior management experience who implements solutions with a focus on cross-organizational alignment. His career has been characterized by generative leadership for positive enterprise across large and diverse organizations, building agile organizations dedicated to solving complex challenges, and bringing high-value solutions to market.

Steve directs AECOS's operations and logistics for international projects and is currently Project Director for a multistory 620,000sf office/lab complex for a Fortune 50 client.

Steve began his career as an Aviation Officer in the U.S. Army serving in multiple aviation command and operations leadership positions over his 25 years in the Army. Notable awards include the Army Aviation Association of America Order of Saint Michael and the Legion of Merit.

Current Position

2013 - Present

Education

United States Military Academy, NY, B.S.

Johns Hopkins University, MD, M.S.E.

Colorado State University, CO, Ph.D.

Professional Licensure & Certifications

Professional Engineer, 2006

LEED AP, 2009

Lean Six Sigma Black Belt, 2008

Senior Army Aviator

Experience

30 years

President, Fidelis Environmental Risk Management, 2011-2103

Created a comprehensive brownfield redevelopment strategy for a \$500MM clean fuel refinery and rail logistics facility.

Director, Sustainable Development Group, Weston Solutions, Inc., 2008-2011

Led the integration of globally based design and engineering teams on development projects that ranged in size from \$120MM to a \$1.5BB.

Director, Operations and Security; and Business Transformation, United States Military Academy, 2006-2008

Built and led a highly productive and effective management team that safely planned, coordinated, commanded and controlled over 100 major operations over a 24 month period for a 4,500 personnel organization.

Chief of Aviation, Coalition Forces Land Component Command, Operation Iraqi Freedom, 2002-2003

Formed and led the creative organization that built the Coalition's tactical helicopter airfields enabling increased pre-invasion operational readiness rates for over 1,000 aircraft that were 30% higher than those of the First Gulf War.

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