EYP is the leading architecture and engineering firm developing new ideas and design solutions with mission-driven clients in higher education, government, healthcare, and science & technology.

Our clients are in the business of changing lives for the better: promoting peace and prosperity; educating the next generation; transforming the healthcare experience; driving discovery and innovation; and protecting the environment. They expect their buildings to have as profound an impact on human behavior and performance as they do on energy and the environment – that’s why they come to EYP.

We believe the built environment empowers our clients to succeed – as individuals and organizations – and that their success should be a key measure of building performance. Our interdisciplinary Total Impact Design™ approach helps clients achieve their mission.

We begin by understanding the “whys” driving every client’s vision, needs, and goals. We encourage our clients to be ambitious – to imagine a future where expectations are achieved and even surpassed. The design we co-create is realized through creative collaboration and an iterative process tested and informed by rigorous research. Long after project completion, we continue to partner with clients to measure and analyze how a building contributes to the ongoing success of their mission.

EYP design innovation is characterized by our dedication to:

- **People** – liberating potential to transform human performance
- **Purpose** – actively helping clients advance their mission
- **Planet** – maximizing available resources to advance sustainability

Inspired by our clients, design is how we make a positive impact on the world.
MASTER PLANNING

For over 40 years, EYP has partnered with mission-driven healthcare institutions – from large, not-for-profit hospitals and academic medical centers to community-based systems – to help each client develop a strategic plan that advances its vision and supports future growth. The perspective we gain from exploring your unique goals, needs, and resources in relation to the evolving healthcare landscape, market competition, demographics, security, and sustainability enables us to identify and evaluate your most beneficial alternatives.

Successful master plans are accessible, clear, and adaptable to change, laying the foundation for good design. Through collaboration, consensus building, and creativity, we will partner with you to frame a forward-thinking yet practical plan with the power to guide transformation and shape the future you envision – whether for a single building or large campus on a constricted urban site.

Recognition
#10 in Healthcare Design — Giants 300, Building Design + Construction

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From master planning to interior design, and throughout all phases of construction... they showed they care as much about our organization, our customers, and our community as we do.

Steve Littleson, President
Jersey Shore University Medical Center
Stamford Hospital  Stamford, CT
Master Plan and New Hospital Pavilion
10+ Years of Partnership

2003: EYP completed a Comprehensive Master Plan for the Hospital’s four major campuses including an existing conditions assessment; traffic and parking analysis; projection of future space needs; and development of facility options. The deliverable was a set of living documents that were integrated into Stamford’s ongoing financial and operational planning.

2004: We developed a Five-Year Plan, and worked with the Hospital to progressively implement the projects identified.

2007: We assisted the Hospital in investigating the question of whether to “Stay or Replace.” Our Due Diligence Study projected long-range space needs and values of construction and energy costs, and site suitability characteristics, informed by a review of published studies, organizational issues, possible community impact, and long-range costs.

The Study revealed multiple deficiencies in the existing facilities, leading the client to engage EYP on a Master Plan project which indicated the need for a 30-acre site for a new hospital facility. Stamford ultimately expanded its site to accommodate growth and renewal projects, including the construction of a new hospital pavilion.
New Hospital Pavilion

Showcasing Stamford’s commitment to the Planetree philosophy of patient-centered care, the new pavilion elevates the healthcare experience of patients, visitors and staff. The new pavilion brings together invasive and non-invasive heart services — including 10 high-tech operating rooms and an expanded 24-bed ICU — for the Heart & Vascular Institute. The 11-story building, equipped with the latest technologies is connected via skyway to the new Integrated Care Pavilion.

The building program includes a 43,800 SF emergency department (ED) with 40 treatment areas to support the 65,000 annual patient visits. Specialized spaces include two triage rooms; six fast-track rooms; 16 urgent-care rooms; four cardiac rooms; eight rooms dedicated to pediatric care; and four trauma rooms, including one fitted out for pediatrics. In addition, the ED is designed to flex up and down to facilitate efficient operations between pediatrics and urgent care. The ED also includes two general radiology rooms and one CT dedicated solely to emergency patients, as well as a four-bay behavioral health holding area and a detox room.

The pavilion is designed to accommodate 180 all-private rooms, with three decentralized nursing units to facilitate greater flexibility in the delivery of patient care.

- 647,000 GSF new construction
- 235-bed capacity
- Architecture, Planning, Programming, Interior Design
Hackensack Meridian Health  Brick, NJ
Jersey Shore University Medical Center
Master Plan & Transformation
Transforming Care
Over the course of 13+ years, EYP has provided Master Plans for three of the client’s campuses: Jersey Shore, Riverview, and Ocean Medical Center.

To advance the mission of the region’s only academic university-level teaching center and clinical research facility and respond to the demands of a growing community, EYP partnered with Hackensack Meridian, starting in 2006, to craft a long-range campus master plan for JSUMC, prioritizing programs for expansion and renewal. The resulting 433,000 GSF project, informed by multi-day vision sessions with the leadership, would transform JSUMC’s future.

The centerpiece of the $300 million project is a new, 144-bed patient care pavilion featuring private rooms and an innovative model of nursing care, as well as a new emergency department and Level 1 trauma center with the capacity to annually treat more than 100,000 patients. The state-of-the-art building also offers the latest in diagnostic and surgical technology, as well as a new 12-bed cardiac care unit.

With the demand for nursing services exceeding projected availability and the average age of nurses increasing, we understood the need to improve the operational efficiency of nursing units and reduce travel distances to minimize caregiver fatigue. We conceived the design innovation of nursing neighborhoods, clustering groups of patient rooms and support spaces as close as possible to the staff station. This “round-table” configuration was designed to limit steps, enhance collaboration, reduce errors, and improve peer mentoring.

Now that the facility is operational, we are conducting research to understand the impact of the design on interdisciplinary communication, quality of care, and patient safety.
Organized around the patient experience, the design of the new pavilion dramatically expands the hospital’s capacity and capability, and has resulted in increased patient satisfaction. The geometry of the dramatic new entrance and curved, four-story atrium are inspired by the geometry of a sail at full mast, referencing the area’s coastal heritage. Public spaces including multistory concourses, and healing gardens, provide positive distraction, promote social support, and offer patients, families, and staff access to education, art, and nature.

In addition to extensive renovations and a new central utility plant, project improvements include a new loop road; site development to organize vehicular traffic; and parking garage.

- Evidence-based Design Touchstone Award (Gold), Center for Health Design
- 410,000 GSF new
- 23,000 GSF modernization
- Center for Health Design Pebble Project*
- LEED Gold certified

*The facility is a designated “Pebble Project”, The partnership between The Center for Health Design and healthcare organizations throughout the US. The goal is to examine and document the effects of evidence-based design on financial performance and quality of care.
Texas Medical Center  Houston, TX
Master Planning, New Construction, Renovations & Expansions
The Texas Medical Center (TMC) is the largest medical center in the world with one of the highest densities of clinical facilities for patient care, basic science, and translational research.

Located in Houston, the TMC comprises 50 medicine-related institutions, including 15 hospitals, two specialty institutions, two medical schools, and four nursing schools, as well as schools of dentistry, public health, pharmacy, and other health-related practices.

The total land area of the TMC is 1,345 acres — or 2.1 square miles — and it is estimated that the daytime “population” of the TMC is approximately 160,000 people.

EYP has designed over 11 million square feet for institutions in the TMC — more than any other architecture firm.

Notable Projects Designed by EYP in the TMC

- **Baylor College of Medicine**
  - Specialty Care Center
    - 200,000 SF build-out

- **Houston Methodist**
  - Research Institute
    - 440,000 SF
  - North Campus Expansion
    - 960,000 SF
  - Outpatient Center
    - 1,600,000 sf

- **Memorial Hermann**
  - The Institute for Rehabilitation & Research (TIRR)
    - 100,000 SF
  - Hermann Pavilion 1 (HP1)
    - 850,000 SF
  - Hermann Pavilion 2 (HP2)
    - 1,340,000 SF
  - Ambulatory Care Center Sports Institute
    - 55,000 SF

- **Prairie View A&M University**
  - College of Nursing
    - 545,000 SF

- **Texas Children’s Hospital**
  - 8080 North Stadium Drive
    - 18,500 SF
  - Critical Care Center
    - 9,612 SF

- **UT MD Anderson Cancer Center**
  - Mid Campus Building 1 (L1MC)
    - 1,400,000 SF
  - Mid-Campus Garage
    - 1,000,000 SF
  - Faculty Center
    - 325,000 SF

- **UTHealth**
  - Research Park Complex
    - 485,000 SF / 4 Building Complex
  - Medical School Expansion
    - 200,000 SF
Houston Methodist Hospital
Texas Medical Center, Houston, TX
Master Planning & Implementation
Change is the Only Constant
At the time of its relocation from downtown Houston to the then-new Texas Medical Center in the early 1950s, open land was readily available for growth and expansion. Seventy years later, TMC has become the largest medical center in the world — and Houston Methodist has grown with it to encompass more than 5 million square feet. EYP is privileged to have been a trusted advisor to Methodist for over 20 years, helping the hospital remain at the forefront of healthcare delivery as “leading-edge” technologies, protocols, and practice models have continuously evolved.

EYP is helping Methodist advance its mission as it responds to the end of its long-standing academic relationship with Baylor College of Medicine, and as it faces significant challenges shared by all healthcare systems:

- Implementation of the Affordable Care Act
- Aging infrastructure
- Changing demographics,
- Need to adopt a more flexible and adaptable approach to capital projects.

As Lead Architect for 3 million square feet of new projects — including the Outpatient Center, Research Institute, and the North Tower — we are ensuring Methodist has innovative and adaptable workspaces for clinical, research, and teaching.

After EYP completed the 2004 Campus Master Plan, Methodist set out to remove barriers to growth and adaptation. Like most aging healthcare campuses, absent an overarching plan, “organic” growth of piecemeal implementation of successive facility improvement initiatives had created inefficiencies, compromised flexibility, and constrained growth.
Recognizing that research, patient care, and academic requirements grow at different rates, Methodist created new zones for inpatient services, outpatient services, and research, establishing a more rational framework for growth over time. They also established new primary academic relationships with Weill Cornell Medical College and New York Presbyterian Hospital.

With a clear plan to guide development, Methodist proceeded with the design and implementation of the 1.6-million GSF Outpatient Center and 480,000 GSF Research Institute. The implementation of these projects freed up space within the existing campus buildings and allowed for a more grounded assessment of space availability and future needs. Those projected needs ultimately defined the program for the first phase of the North Tower project.

As Lead Architect for these 3 million GSF of new projects, EYP has helped Methodist shift to a growth strategy founded on lessons learned, adaptability, awareness of its overall campus context, and anticipation of where growth might happen next – utilizing design concepts that maximize flexibility for the long term.
Memorial Hermann Healthcare System
Texas Medical Center Houston, TX
Multiple Master Plans & Implementations
Two Partners, One Healthcare Giant

The 1997 merger of two prominent EYP clients – the Memorial Hospital System (1907) and Hermann Hospital (1925) – created one of the nation’s Top 5 Large Health Systems and the leading Accountable Care Organization. The healthcare giant Memorial Hermann today comprises over 16 hospitals and numerous clinics and specialty centers throughout the Houston region. Much of our early work was for Hermann Hospital, which many consider the cornerstone of the Texas Medical Center (TMC). As the most prominent charity hospital in Houston when TMC was founded in 1945 to create a “hospital district,” Hermann’s presence undoubtedly influenced the choice of site.

In 1987, EYP prepared the first of a succession of master plans for several of the campuses in what is now the Memorial Hermann Healthcare System. The 1987 Master Plan focused on the main Tertiary Care facility, the Memorial Hermann Hospital located in the TMC, to determine how best to utilize the limited land available for expansion and replacement facilities.

The plan created a methodology not only for locating a new 850,000 GSF patient tower to house Women and Children’s services, expanded surgery, and a replacement Trauma Center, but also for a series of steps that could be taken to progressively replace each existing component on the campus. We were engaged to design the tower and subsequently update the Master Plan over ensuing years.

The 1997 merger led to a new, long-range strategic plan to capitalize on Memorial’s existing presence in the suburbs and to expand the new system’s presence with new satellite hospitals. We have since then produced master plans for:

- Memorial Hermann Southwest, a 200,000 GSF expansion to house surgery, cardiac care, a breast center and community support facilities
- TIRR (The Institute for Rehabilitation and Research), a 102,000 GSF facility in the Texas Medical Center
- Memorial Hermann Hospital in The Woodlands (with several surgical, emergency, and patient unit expansions)
- Master plans for two greenfield community hospitals in Sugar Land and Katy, which we subsequently designed (completed in 2007).

Most recently, EYP has been engaged in developing a Master Plan update for the MHHS Main Campus in the Texas Medical Center to create a location for a new Trauma Institute totaling 958,000 GSF and a Logistics and Support Building totaling an additional 485,000 GSF, which will free up approximately 340,000 GSF in the existing Robertson Pavilion.
Illustrative Site Plan
Reinforcing Connections

In 2009, EYP partnered with OMC, a 281-bed community hospital, to develop a Facility Master Plan that would guide the institution through 2020. The plan reinforces connections with adjacent primary care practices, creating community space on the campus.

Our design for the new Hirair and Anna Hovnanian Emergency Care Center implemented Phase I of the Master Plan. The transformational project added Cath Labs and a 36-bed nursing floor as well as a new expanded dock. Approximately 6,100 GSF of renovations were done on the first level of the existing hospital to accommodate the administration space of the new building. For the long term, the structural capacity of the building is designed to accommodate three additional bed floors, which would add 108 new private patient rooms in the future.

The building program greatly influenced the massing and form of our design. The bed tower hovers above the ED and shell space to create new ambulatory and ambulance entrances.

Our evidence-based approach utilized data from the post-occupancy evaluation of OMC’s sister hospital, Jersey Shore University Medical Center (which EYP also designed), to inform and improve unit design. For example, some shared spaces at Jersey Shore – e.g., clean and soiled utility rooms, an equipment storage room, and a nourishment room – were added to each inpatient “neighborhood”, making it more convenient for nurses to more efficiently manage patient care.

- 140,000 SF new construction
- 108-bed capacity
1. Cancer Hospital  
   (new addition and renovation)
2. South Public Concourse  
   (new addition)
3. Heart and Vascular Hospital  
   (new expansion)
4. Imaging  
   (renovation and expansion)
5. Emergency Department  
   (new expansion)
6. Surgery Consolidation  
   (renovation and expansion)
7. Inpatient Bed Towers  
   (new 550-bed expansion)
8. Clinical Lab (renovation)
9. Medical Office Building  
   (new expansion)
10. Expansion of the above.
Envisioning the Future

The Vision 2030 Master Plan that EYP partnered on with UNC Rex recommended planning for growth from 400 to 750 beds, with 1+ million GSF of development over a 15-year span. Key service lines identified for growth potential or substantial renovation were:

- Surgical Services
- Clinical Laboratory
- Imaging
- Heart and Vascular Services
- Cancer Services

North Carolina Heart & Vascular Hospital

This world-class facility is an urban oasis whose linked paths and courtyards serve as outdoor “living rooms” for patients and staff. The project realizes the client’s vision to assure a patient-centered health and healing experience within a high-volume, academic teaching hospital.

To assure the capacity to support current and projected population growth, REX aligned its H&V services with multiple cardiology practices in the area. Lean design principles informed a plan that right-sizes patient care spaces and clinical work areas to best-practice benchmarks. Each nursing unit is comprised of two, 10-bed neighborhoods with staff support spaces that minimize caregiver steps, maximizing time spent with patients.

Multiple evidence-based design strategies, informed by our healthcare and workplace experts’ research, are already positively impacting the experience of all who work in, visit, or are treated in the new hospital.

BBH Design was Associate Architect.

- Best Project: Healthcare in Southeast, Engineering News-Record
- Sir Walter Raleigh Award (Commercial), City of Raleigh
- Best in City Center, IIDA Texas-Oklahoma Chapter

- 306,400 GSF new
- 3,480 GSF modernization
- 72 Telemetry beds
- 22-bed Cardiovascular ICU
- 20-bed Acuity adaptable unit
- 10-bed PACU
- 2 Hybrid ORs
- 6 Cath labs
- 2 Electrophysiology labs
- 2 Interventional radiology labs
- 40 Prep/recovery beds
FIRM OVERVIEW

Disciplines

Integrated Design Expertise
- Academic Innovation
- Diplomatic Facilities
- Energy & Sustainability
- Health Education
- Healthcare
- Historic Preservation
- Libraries
- Master Planning
- Mission Critical Facilities
- Modernization
- Science & Technology
- STEM
- Student Life
- Workplace

Research
- Building Science
- Healthcare Design
- STEM
- Energy
- Living-Learning
- Workplace

Recognition
- 2018 Top 25 Architecture Firms, Architectural Record
- 2018 Giants 300, Architecture/Engineering Firms, Building Design + Construction
- 2018 Top 500 Design Firms, Engineering News-Record
- 2018 Healthcare Giants, Interior Design
- 2017 Architect 50, Architect Magazine
- 2017 MEP Giants, Consulting-Specifying Engineer
- 2017 Top Architects, #1 for Healthcare Renovation, Health Facilities Construction Quarterly
SERVICES

Architecture
• Design
• Planning
• Programming
• Interior Design
• Life Safety
• Environmental Graphic Design
• Workplace Strategy & Design
• Master Planning

Engineering
• Electrical
• Fire Protection
• Mechanical
• Plumbing
• Security
• Structural
• Telecommunications

Energy
• Building Performance Optimization
• Energy Audits
• Energy Master Plans
• Retro-commissioning

Consulting
• Graphic Design
• Marketing Communications
• Public Relations
HEALTHCARE CLIENTS

Al Dupont for Children
Advocate Children’s Hospital
Advocate Christ Medical Center
AFLAC Cancer Center at Egleston
A.O. Fox Memorial Hospital
Albany Medical Center
Amsterdam Memorial Hospital
Anson County Hospital
Atlanta Medical Center
Baptist Medical Center
Baylor College of Medicine
Billings Clinic
Brazosport Memorial Hospital
Camden Medical Park
Central Manchester & Manchester University Hospitals
Centura Health
Charlotte Kimelman Cancer Center
Children’s Healthcare of Atlanta
Children’s Hospital of New Orleans
Children’s Hospital of Philadelphia
Children’s Hospital of San Antonio
Children’s Medical Center of Dallas
Chowan Hospital
CHRISTUS Health
CHRISTUS Mother Frances - Sulphur Springs
CHRISTUS Santa Rosa
CHRISTUS St. Frances Cabrini
CHRISTUS Trinity Mother Frances Health
Columbus Regional Health System
Comanche County Memorial Hospital
Craven Regional Medical Center
CUNY Sophie Davis School of Biomedical Education
Duke University Medical Center
East Texas Physician’s Alliance
ECU Brody School of Medicine
ECU School of Dental Medicine
Ellis Hospital
Exempla Healthcare
FirstHealth Richmond Memorial Hospital
Fort Bragg Medical Clinic (USACE)
Four Winds Hospital, Saratoga
Georgia Regents University Children’s Medical Center
Georgia Regional Hospital
Grady Health System
Greenville Hospital Systems
Gwinnet Investment Group Cardiology Center
Greenwood Leflore Hospital
Hackensack-Meridian Health System
Halifax Memorial Hospital
Harbor Hospital
Harlem Hospital Center
Houston Methodist Hospital System
Jacobi Medical Center
Joe Dimaggio Children’s Hospital
Johnston Memorial Hospital
Kennedy Krieger Institute
Lenoir Memorial Hospital
Littleton Adventist Hospital
Lutheran General Hospital
Maria Parham Medical Center
Marquette General Hospital
Martin General Hospital
Mary Imogene Bassett Hospital
May Clinic
Medical College of Virginia
Medical University of South Carolina
Memorial Hermann Health System
Mission Hospitals
Montgomery College
Morristown Memorial Hospital
Nash Health Care System
NC Correctional Institution for Women
Nemours Children’s Hospital
New Hanover Regional Medical Center
New York Medical College at Westchester Medical Center
North Oaks Medical Center
Northwell Health
Northern Health Authority of British Columbia
NYU Polytechnic
NYU School of Dentistry
NYU School of Nursing
Obstetrical Gynecological Associates (OGA)
Ocean Medical Center
Oklahoma Heart Hospital System
Onslow Memorial Hospital
OSF/Children’s Hospital of Illinois
Palmetto Health Richland Children’s Hospital
Piedmont Hospital
Pitt County Hospital
HEALTHCARE CLIENTS

Platte Valley Medical Center
Radiology Complex & Women’s Imaging Center
Randolph Hospital
Rex UNC Health Care
Riverview Hospital
Robert Wood Johnson University Hospital
Ronald McDonald House of Charities
Roosevelt Warm Springs Institute for Rehabilitation
Rowan Regional Medical Center
Saint Elizabeth’s Hospital, DCDMH
Sarasota Memorial Hospital Center for Women & Children
Sitrin Health Center
St. Clare’s Hospital
St. Joseph Regional Health System
St. Jude Children’s Research Hospital
St. Luke’s Episcopal Hospital
St. Mary’s Hospital
St. Mary’s Hospital for Women
St. Peter’s Hospital
Stamford Health
Stanly Regional Medical Center
Suburban Hospital/Johns Hopkins Medicine
SUNY Storybrook School of Dental Medicine
SUNY Upstate Medical University
Swedish Medical Center
Texoma Medical Center
The Institute for Rehabilitation and Research
The University of Iowa Hospitals
The University of Texas Health Science Center
MD Anderson Cancer Center
Tidewater Community College
Trinity Medical Center
UNC Hospitals
UNC School of Medicine
University at Albany
University Hospital
University of Chicago Hospitals
University of Colorado Health
University of Louisville
University of New England
University of New Mexico Medical Group
University of Pennsylvania
University of Texas Medical Branch at Galveston
University of Virginia

US Coast Guard
Veteran’s Administration
Valley View Medical Center
Virginia Commonwealth University
Wake Forest Baptist Health
Wake Forest University
Waterstone Medical Office Building
Watson Army Hospital (USACE)
Wayne Memorial Hospital
Wellstar Health System
West Central Regional Hospital
White Plains Hospital
William Beaumont Hospital
Winship Cancer Institute