

Jeffrey Raven, AIA, LEED AP BD+C

RAVEN Architecture + Urban Design LLC. (RAVEN A+U)

Director – Master of Architecture in Urban + Regional Design, New York Institute of Technology

Consulting services in award-winning and landmark projects

- MASDAR carbon-neutral development in Abu Dhabi, UAE
- Sustainable urban design for settlements in regional growth areas, Kolkata (Calcutta), India
- Green airport terminal prototype; NYNJ Port Authority blueprint for future green airport design, USA
- Energy Efficiency and Conservation Plan for Saint Louis County; USGBC award, USA
- Downtown Brooklyn Plan, Regional Plan Association; part of the Regional Plan Association *Third Regional Plan Centers Campaign*, USA
- Bronx Center, strategic plan for the South Bronx; awarded Best Practice prototype by UN Habitat, USA
- Integrated sustainable planning in northern Vietnam; prototype for integrated strategies, Vietnam

National and international guidelines and policy

- *STAR Community Index*; to develop sustainability rating system and guidelines for American cities
- *US Environmental Protection Administration (EPA)*, Global Change Research Program (GCRP) for Urban Resilience, Steering Committee
- *Global Sustainable Urbanization Development Indicators*; US Office Housing & Urban Dev (HUD)
- *Climate Positive Development Program*, Clinton Climate Initiative; to develop zero-carbon urban districts
- *LEED for Neighborhood Development*, US Green Building Council (USGBC), regional bonus credits
- *Resilience & Climate Adaptation Working Group*; US Green Building Council

Publications and speaker at forums on sustainable design and urban development

- *Shaping a New Capital City to Fit Indian Life*, European Union-invited international juror, India, 2012
- *Building Livable Cities: The Urban Vision Symposium*, lecturer and panelist, Mumbai, India, 2012
- *China International Urbanization Forum 2012*, National Development & Reform Commission, Shanghai
- Author of *Cooling the Public Realm, Resilient Cities* (Springer, 2011)
- Author of *Climate-Resilient Urban Design*, selected as a *US Green Building Council* Research Publication
- *Resilient Cities*, 1st World Congress on Cities and Climate Change Adaptation, Bonn, Germany
- *Regional Assembly: Building a Green Infrastructure*, Regional Plan Association, New York
- *Transportation Research Board: Integrated Planning for Sustainability*, Washington DC
- *Intermodal Transit Hubs: Design Strategies for Hubs*, Korean Transport Institute, Seoul
- Peer Review: *High Performance Infrastructure Guidelines* (NYCDDC); *Greenbuild* (USGBC)
- *Energy Efficiency and Cities*, Asian Development Bank Headquarters, *ADB Urban Day Conference*
- Interview and presentation at *Global Forum on Urbanization + Health*, Kobe, Japan, *UN Habitat/ WHO*

Knowledge transfer

- Adj. Assistant Professor, Columbia University Master of Science in Architecture + Urban Design degree program; Lecturer: Cornell, CUNY, NYU, UNEP, The World Bank; The Prince of Wales' Business & Sustainability Programme, Cambridge University; MSt Academic Examiner, Cambridge University
- *The New York Times Knowledge Network, Ecological Cities* accredited course

Previous positions

- Louis Berger Group, Director - Sustainability + Urban Design; Berger Group Holdings: 1996-2010
- Regional Plan Association, Downtown Brooklyn Development Project, Director, New York
- BFJ Planning, Buckhurst Fish Jacquemart / Hutton & Katz, Inc., Senior Planner, New York
- Bronx Center, South Bronx, Project Coordinator, Community-based planning, New York

Education

- MSt, Interdisciplinary Design for the Built Environment, Cambridge University, England
- BArch, Architecture (Professional Degree) + BFA, Rhode Island School of Design
- B.A., History, Trinity College, Hartford, CT.

Professional Certifications: Registered Architect: New York; New Jersey; LEED BD+C

RAVEN A+U

- **Green Module Design for New Urban Spaces**, Calcutta Metropolitan Area, India, Department for International Development (UK). Urban design prototypes for new satellite cities in urban growth areas.
- **Asian Development Bank Livable and Sustainable Cities**, Manila, Philippines; ADB Livable and Sustainable Cities program and Urban Day 2010
- **SUEZ Environment**, Analysis of US cities actions and leading performance indicators, focused on developing sustainable green and blue infrastructure
- **STAR Community Index**, Technical Advisor, to develop sustainability guidelines for American cities developing measures with focus on Green Infrastructure and Resilience/Climate Adaptation
- **Climate Positive Development Program**, Carbon-neutral revitalization of London's Royal Albert Basin
- **CIPSEM-UNEP**, Environmental Urban Design Course, Technische Universität, Dresden, Germany
- **City of Constanza**, Romania, Co-Director Capacity-Building and Strategic Plan, Soros Foundation
- **Southampton Township Urban Design Project**, Transport corridor Redesign, Hampton Bays, NY

Louis Berger Group, Director - Sustainability + Urban Design; Berger Group Holdings: 1996-2010 **Urban Design + Planning**

- **MASDAR Carbon-Neutral City, Abu Dhabi, UAE, Sustainable Design Advisor**
Sustainability advisor to Masdar, an urban development powered by renewable energy; for a new landmark 1 million sf., mixed-use “positive energy” headquarters building and site that produces more energy than it consumes; developed and led sustainability workshop, and contributed to planning and design metrics from building to city-wide scale
- **St. Louis County Energy Efficiency and Conservation Block Grant Strategy, Project Director**
In partnership with ICLEI-Local Governments for Sustainability and HOK, providing technical support to the County of St. Louis, MO. to create their Energy Efficiency and Conservation Strategy (EECS) required by the US Department of Energy to receive Energy Efficiency and Conservation Block Grant funding (EECBG). Tasks include crafting a Long-Term Sustainability Framework by integrating current strategies with new energy efficiency methods and concepts; analyzing the Transportation, Waste Management, and Economic Development goals for the County and providing methods to establish the impact of sustainable projects or initiatives. *USGBC- St. Louis Governance award*
- **Physical Development Plan for the State of Qatar (Arabian Gulf), Director - Capital City Plan**
Comprehensive long-range planning framework through the Geographic Information System (GIS) for the physical development of the State of Qatar, the Capital Region, and the Capital City. Includes economic development, transportation, land use policies, development standards, design guidelines and urban design
- **Montclair Redevelopment Plan, New Jersey.** Public/private strategies to foster long-term, sustainable economic development for district-wide “Areas in Need of Redevelopment”, and design solutions to improve the quality of the built environment and public realm. Once adopted, the plan becomes a legislative ordinance. Urban design responsibilities include directing the multi-disciplinary planning and design process, public outreach, and 3-D visualization
- **Thanh Hoa City Master Plan, Northern Vietnam.** A collaborative project through the local Planning Institute to produce a comprehensive master plan for the provincial capital's development to 500,000 people. The focus is to provide a new long-term, sustainable framework for the city to attain the goals of a Type 1 City—a designation based on quality of life indicators, demographics and economic criteria. One of the first comprehensive metropolitan plans for a Vietnamese city by foreign consultants, this prototype plan will be used in collaboration with the UN Habitat and the Asia Development Bank to launch a national network of metropolitan plans for other large cities in Vietnam
- **Port Redevelopment Plan, Belford (Middletown), New Jersey.** Smart Growth grant for revitalizing one of mid-Atlantic's few active, small-vessel fishing ports located along the coast of Sandy Hook / Raritan Bay. A key terminal for NYC rapid regional commuter ferry service, the strategic plan includes urban design, infrastructure, architecture and economic strategies, for sustainable viability of the fishing industry and stronger linkages to the surrounding community. *NJPO Achievement Planning Award*
- **Best Practices and Prototypes for Development within Fragile Watershed Areas, Lower Raritan River Watershed Management Redevelopment Study, NJ Water Supply Authority.** Prepared “best practice” sustainable design prototypes balancing high-priority economic development and environmentally sensitive watershed areas-- and provide a model for future watershed protection and economic growth opportunities in the Raritan watershed and throughout the state of New Jersey

Architecture

- **LEED-Accredited Adaptive Re-Use of Historic Building for Health Center, LEED Administrator;** for all phases of design and construction, energy model coordination, materials research, management and submittals to USGBC for LEED certification. Richmond Health Center, a complete interior and exterior adaptive re-use of a historic building to state-of-the-art laboratories, clinics and medical offices-- registered with USGBC for LEED Rating. Green strategies include sustainable site, energy and water efficiency, green materials and indoor environmental quality
- **Freedom Ring, Pampanga, The Philippines.** A fast-track design/build project, the Centennial Exposition Park at the former Clark U.S. Air Force base in the Philippines commemorates the 100th anniversary of Philippine independence from Spanish rule. The “Ring” site is 300 meters in diameter, comprising a 35,000-person amphitheater and stage house covered by a massive tent, and other support structures. *Awarded the NYACE Gold Prize*
- **World Trade Center Memorial & Redevelopment Plan, Lower Manhattan Development Corporation (LMDC), Sustainability Consulting Services.** Sustainability Consulting services to LMDC to evaluate Sustainable Design Guidelines and LEED Guidelines for new buildings and site development
- **Military Installation, Ft. Meade, MD.** LEED Services for new Defense Information Systems Agency (DISA) facility, a 1 million sf, \$345 million facility for 4,200 employees in Fort Meade, MD.
- **Military Installation, Picattiny Arsenal, NJ.** LEED feasibility analysis for a new building at the military research facility
- **Detention Center, Queens, NY.** High-Performance Design and LEED Tracking for NYC Department of Corrections project: 800-bed addition at the RMSC detention center on Rikers Island
- **Queens Museum of Art, Queens, NY.** LEED Advisory Services for the Queens Museum of Art project: Expansion of the historic facility, including galleries, offices and support space. In collaboration with sub-consultants Grimshaw Architects and Buro Happold Consulting Engineers
- **United States Embassies Site Planning, Worldwide.** The upgrade of physical and technical security systems at Posts throughout the world, reconciling the protection of embassy occupants with contextual design and maintaining an image of openness

Transportation

- **Green Airport Terminal Building, Newark Liberty International Airport, Sustainability Advisor** Sustainability and LEED Advisor to Port Authority of New York and New Jersey on the sustainable design of a landmark, 1.3 million sf. airport terminal building, and surrounding site
- **Intermodal Transit Hubs, Seoul, Korea.** Research and development project to develop guidelines and prototypes for Seoul’s Intermodal Transit Hubs with the goal of revitalizing urban centers and reducing automobile impacts within the Seoul metropolitan area. Invited as speaker to present to an international conference in Seoul, sponsored by the Korea Transport Institute
- **Transit Hub Environmental Impact Statement, Lower Manhattan.** Assessment of the district’s defining urban design characteristics and visual resources, integrated into the Fulton Street Transit Station Environmental Impact Statement, for the New York City Transit Authority, the Metropolitan Transportation Authority and the Federal Transit Administration
- **Bangkok International Airport, Thailand.** New state-of-the-art terminal and flight piers added to an existing airport complex, to strengthen the airport’s role as an economic engine and national gateway, increase capacity to meet demands for future air/passenger volume and accommodate larger aircraft
- **Military Ocean Terminal: Intermodal Transportation & Mixed Use Development, NY/NJ.** The transfer and reuse of a former 450-acre military base in New York Harbor for world-class container port, regional park, light rail links and mixed-use development. Tasks include preparing the mandated Base Conveyance Application, Redevelopment Plan, NJDEP Waterfront Development Permit, and on-going site infrastructure management, phasing, design and cost estimate, City of Bayonne, NJ.

Regional Plan Association, Downtown Brooklyn Development Project, Director, New York, 1996

An integral part of the Centers Campaign of the Third Regional Plan for the NY Metropolitan Area, the comprehensive master plan for Downtown Brooklyn— a CBD and transportation hub with a quarter million workers and visitors— combined an analysis of Downtown’s economic and institutional assets with economic, infrastructure, transportation, urban design and planning recommendations

City of Constanza, Romania, Co-Director Strategic Plan, 1995

A strategic planning and capacity-building project for the ancient city of Constanza, now Romania’s principal port on the Black Sea. Sponsored by the City of Constanza, the Soros Foundation and The Institute for Local Development and Public Services, the planning teams were comprised of over thirty Romanian urbanists, architects and economists for a hands-on training exercise in comprehensive strategic planning

Buckhurst Fish Jacquemart / Hutton & Katz, Inc., New York, 1993-1994

- Housing Plan in the South Bronx (Morrisania Air Rights Houses), Senior Planner.
- Commercial District Plan in Brooklyn (Washington Avenue Commercial Area), Senior Planner

Bronx Center, South Bronx; Project Coordinator, 1993

A collaborative, community based plan to revitalize a deteriorated 300 block section of the South Bronx. A multi-discipline plan, it encompassed economic development, health and human services, education and culture, housing and transportation. Selected as a *Best Practice Prototype for Human Settlements* by *United Nations-Habitat*. Included in *Urban Revisions: Current Projects for the Public Realm*, a national exhibit sponsored by the Museum of Contemporary Art in Los Angeles

Gérard Grandval, Architecte/Urbaniste, Paris, 1991

La Place de l’Europe/Pont des Batignolles: A schematic proposal covering railroad tracks with housing, offices, parks and parking structures, in a historic district next to the St. Lazare Railroad Station, Paris 8e

Vollmer Associates, New York, 1989-1990

Farrell, Bell, Lennard, Architects, New York, 1987-1989

Teaching + Lectures

- **Columbia University** Master of Science in Architecture + Urban Design degree program, Faculty member
- **Cambridge University**, The Prince of Wales’ Business & Sustainability Programme; China Mobile
- **Cambridge University**, MSt Interdisciplinary Design for the Built Environment, Academic Examiner
- **The New York Times Knowledge Network + Cooper Union**, accredited course: *Ecological Cities*
- **Resilient Cities**, 1st World Congress on Cities and Climate Change Adaptation, Bonn, Germany
- **China International Urbanization Forum**, National Development & Reform Commission, Shanghai
- **Symposium on Planning Healthy, Sustainable Communities**, Rutgers University, New Jersey
- **UN Habitat + Consortium for Sustainable Urbanization**, *Sustainable Urbanism*, United Nations, NYC
- **UNDP Europe and the CIS**, *Sustainable Urbanism*, Bratislava Regional Centre, Slovakia
- **Environmental Urban Design Course**, CIPSEM-UNEP, Technische Universität, Dresden, Germany
- **Regional Assembly 2010 panelist**, Regional Plan Association, *Building a Green Infrastructure*, NYC
- **The World Bank**: *Planning Resilient Communities*, Washington DC
- **Transportation Research Board**, *Integrated Planning & Sustainable Transportation*, Washington DC
- **Asian Development Bank**, *ADB Urban Day 2010 Conference, Energy Efficiency and Cities*
- **Cornell University**, Dept. of City + Regional Planning. *Toward an Ecological City in Northern Vietnam*
- **New York University**, Wagner Graduate School, *Spotlight on Abu Dhabi: Challenges and Opportunities in an Emerging Global City*
- **New York University**, Wagner Graduate School, *Integrated Strategies and the Ecological City*
- **University of North Carolina, Charlotte** – Professional accredited course: *The Ecological City*
- **National Association of Environmental Professionals**, 34th Annual Conference. *The Ecological City*
- **Coastal Marine Resource Center**, *Sustainable Design and Development: Planning Implications*
- **Qatar Transition Team**: Capacity-building to Government Transition Team to implement the City Plan
- **Facilities Analysis Workshop**: A/E capacity-building for building conditions, NYC Board of Education
- **BBC Radio Interview**: *Good Morning Ulster*, Conflict and urban development, Belfast, Northern Ireland

Workshops + Charrettes

- **Global Sustainable Urbanization Development Indicators Working Group**; US Office of Housing and Urban Development (HUD), 2010-2011
- **STAR Community Index Technical Advisory Committee Retreat**, Wingspread, Racine, Wisconsin
- **ACEC/NC/DOT Joint Technical Training Workshop – Intermodal Transportation Perspectives**
- **High Performance Infrastructure Guidelines**, peer review. NYC Department of Design and Construction & Design Trust for Public Space
- **US Green Building Council**, working group member for USGBC: *Climate Resilience & Adaptation*; and Regional Councils for the development of *LEED ND* and *LEED 2009* (Regional Bonus Credits)
- *Greenbuild International Conference & Expo*, peer review, Chicago
- **LEED Sustainable Design Workshop**. Organized and led the first LEED Sustainable Design Workshop in the City of New York, as mandated by Local Law 86 (2005). Participants included NYC DDC Office of Sustainable Design, NYC Dept of Health and Mental Hygiene, and user groups
- **LEED Sustainable Design Workshop**, Ft. Meade, MD
- **New Jersey Institute of Technology**, Infrastructure Planning Program Roundtable
- **Downtown Visioning Charrette, Regional Plan Association, Bergen County, NJ.**
- **Newark Liberty Airport, Green Design Charette** for a new, prototype sustainable terminal building.
- **Urban Planning Workshop, Romania**: Co-created curriculum and taught a certificate-awarded course in Strategic Planning to mid-career professionals
- **Southampton Township Urban Design Charrette**, Transport corridor Redesign, Hampton Bays, NY
- **Downtown Brooklyn Urban Design Workshop, Co-Director**: a team of twenty NY-based architects, urbanists and transportation planners produced recommendations to strengthen Downtown's civic identity.
- **Highline Community Forum**: Preservation and Reuse of Elevated Rail Line – Moderator, 2005
- **New York / New Visions Liaison Committee**: A Lower Manhattan Coalition for renewal following the attacks of 11 September 2001
- **Civic Alliance Planning and Design Workshop**: Regional Plan Association, Lower Manhattan, 2004.
- **Penn Yards / Riverside South Urban Design Workshop**, New York City
- **ACIL US-USSR Summit, Urban Development & Administration, 1988**: United States delegate to the Commission for Urban Development and Administration
- **Belfast Transportation Museum, Belfast, Northern Ireland**. The River Lagan, transportation infrastructure and Victorian-era industrial banks as a civic landmark and engine of change in a divided city
- **Sunset Park: Beyond the Gowanus Expressway International Design Competition**, Jury Member.
- **American Institute of Architects (AIANY) Planning and Urban Design: Advisory Committee**; Co-Facilitator for AIANY Biennial Building Type Awards jury: Urban Design
- **Neighborhood Open Space Coalition**: Rail with Trails greenway system, Staten Island, NY

Publications

- *Cooling the Public Realm, Resilient Cities* (Springer, 2011)
- *Climate-Resilient Urban Design*, selected as a *US Green Building Council* Research Publication
- *STAR Community Index, 1.0*, to develop Sustainable rating system for American communities
- *Growing Green*, St. Louis County, MO., 2010. *USGBC-St. Louis, Governance Award*
- *Belford Port Redevelopment Plan*, NJ, 2009. *NJPO Achievement Planning Award*
- *Montclair Redevelopment Plan*, NJ, 2008
- *Physical Development Plan for the State of Qatar*, Ministry of Municipal Affairs & Agriculture, 1998
- *Downtown Brooklyn: A Plan for Continued Progress*, Regional Plan Association, 1995
- Contributor to *A Region at Risk: The Third Regional Plan for the NY Metropolitan Area*, RPA, 1996
- *"Belfast Plan for the Gasworks Site"*; *Scope: A Review of Northern Ireland*, an independent urban design project to develop a 27-acre waterfront site. Exhibited at the Progressive Building Society, Belfast

Interview and presentation at *Global Forum on Urbanization + Health*, Kobe, Japan, *UN Habitat/ WHO*

Languages: English + French (native levels)

Countries: Worked or resided in Vietnam, India, China, Thailand, Korea, The Philippines, Sudan, Abu Dhabi (UAE), Qatar, Iran, Lebanon, France, United Kingdom, Germany and throughout the United States