



Overview

About us



Murphy International Development and DREAM Collaborative have forged a strategic alliance linking renewable energy solutions and the built environment. Buildings consume at least 40% of the world's energy and as such we are committed to furthering the integration of renewable energy and smart growth strategies into the planning and design of buildings, communities and cities worldwide. Our work is organized into four primary areas of expertise:

Clean and Renewable Energy: We provide design as well as turn-key solutions to achieve sustainable, low carbon built environments by harnessing building and community scale renewable and clean energy resources in wind, solar, waste to energy, geothermal, CHP onsite generation, and smartgrid infrastructure.

Sustainability: We address the ecology of the buildings and communities we design and also balance economical, social, and environmental realities and aspirations. We utilize established green certification programs such as LEED, lead community engagement, establish skills transfer procedures, and develop guidelines to support sustainable building operation and management practices.

Planning: We create places for people that are both inspiring and sustainable by balancing the needs of today with the vision for the communities of tomorrow whether it is an existing urban neighborhood, new building, campus or community. In our projects our goal is to make connections that maximize the use and value of cultural, natural, and infrastructural resources.

Architecture: We design sustainable building solutions that respond effectively to client needs, budget, the surrounding context, culture, and climate. We deliver cutting edge green buildings through the use of state of the art design strategies, energy efficiency and renewable energy technologies, and position your property as a smart grid ready asset.

Clean and Renewable Energy Solutions

The MIDC Team is made up of a unique group of talented individuals who each bring their own special abilities to the project in order to offer a complete package of services and optimize project potential.

The MIDC Team develops, builds, and operates electric-generating facilities fueled primarily by wind, solar and clean renewable resources, such as waste to energy, geothermal and other managed waste streams. The team includes people with extensive experience in the renewable energy development arena, resource recovery, recycling, waste to energy, wind, hydro, energy production/sales, installation, construction/erection, operations/maintenance, financing, electrical engineering, mechanical engineering, safety, the legal arena and the energy industry.

The MIDC Team, services independent power producers, commercial developers and community based developers of renewable and conventional electrical power producing systems. The team works with community based developers by using our expertise to structure, design and build the project while assisting the client with the financing thru our network of investors. The team also manages direct renewable energy investments for a variety of institutional and corporate clients. Particular funds include; leasing pools and tax managed equity funds for institutional investors seeking long-term direct investments in the energy industry. To do so the team forms and manages joint ventures through which it invests its own funds in conjunction with those of institutional, utility, and corporate investment partners. Typical investment sizes range from distributed generation portfolios to utility scale projects \$50,000 to +\$ 200 million.

MIDC's operating/development team is a multidisciplinary group of finance managers, engineers, plant operators, and field service tradesmen who focus on assisting energy industry clients meet the highest performance.

Areas of Service

Electrical Engineering

High voltage power systems
Low voltage power systems
Substations
Wind Power Collection Grids
Transformer capacity
Power factor optimization
U.G. cable systems
Overhead distribution
Protection & Control
Transmission Grid Security Review
Lightning protection
Troubleshooting & reliability
Motor driven gas compressors

COOP Specialized Solutions
Deregulation Strategy
New technology options-SMART Grid
Security review & tactical planning

Energy Management Services

Demand control Power factor Peak shaving Energy storage Deregulation issues Operating cost savings

Distributed Generation Engineering

System planning
Utility interconnection
Developmental Support
Low cost power centers
Power factor correction
Reliability review
Failure analysis & Troubleshooting
Construction Management

Construction Supervision & Start-up Coordination

Installation supervision Quality conformance Start - up procedures Project commissioning Final acceptance

Generation Strategy Review

Wind Power
Distributed generation
ISO/RTO Strategy
Interconnection Strategy
Load Management Strategy

Management Team

Douglas Murphy- President

Douglas has, as founding member or investor, developed a diverse portfolio of renewable energy projects from both greenfield to acquisition and repowering. Wind developments have included nearly 400,000 acres of resource lands across North America and reaching around the globe currently totally over 1000 MW. From site identification, leasing or purchase, resource evaluation, to development planning and finance Douglas has successfully developed renewable energy projects with; Shell Wind Energy, Innogy/RWE, Airtricity, BP, Invenergy, Orion Energy, PGE, Leucadia National, FnXco and Veolia Environmental.



Bevin Etienne, PHD - Technical Director

Dr. Etienne has over 10 years experience in the research and development of renewable energy technologies, commercial and industrial energy audits and energy efficiency; renewable energy resource assessment, small scale renewable energy solutions – various alternatives, hybrid energy systems, rural electrification systems, planning and project development for wind, geothermal, solar thermal and solar PV energy systems, economics and financing of power plants and systems, life cycle analysis and technology trade off for renewable energy systems, optimization modeling of energy systems with a focus on the supply and demand side management of energy and grid integration.



David Abraham, CFO

David Abraham has served as CFO and advisor to energy, media and telecommunications companies. He was a founding principal and CFO of Geothermal Management Services, LLC, completing eight separate transactions to assemble all the related assets, subsequently divested at a profit. He represented a large corporate investor in alternative energy projects, closing several equity and leasing transactions on its behalf. As an independent adviser, David has completed over \$800 million of transactions, including private placements of debt and equity, strategic partner transactions, asset sales and acquisitions, project financings and various other advisory services.

Experience & Portfolio Highlights

MIDC works with public and private clients, providing a range of renewable energy and efficiency services. Projects highlighted here represent our work with renewable energy; wind, solar, geothermal, hybrid, and specialty projects. Clientele include community, agricultural, government and private businesses. Our goals -

Giving back to the community

Reducing our own environmental impact

We made the most of our innovation and technology expertise to take further steps towards minimizing our own and collective environmental footprints. We have achieved significant reductions in our carbon footprint and have made further progress towards our goals of achieving the Carbon Trust Standard and ISO 14001 accreditation.



Bahrain World Trade Center

Owner(s)

DTZ Bahrain, HAJ, BWTC Location Manama, Bahrain Industry Architectural integrated Wind Turbines Status Operational **Power Station Information** Primary Fuel - Wind

Installed Capacity

Mr. Douglas Murphy

675 Kilowatts

Leadership

MIDC principal, D.Murphy, formed Norwin America, LLC investing in a Danish turbine manufacturer pioneering community, resort, and agricultural wind turbine installation successes. Originated the Bahrain World Trade Centre building integration use of (3) -225 kW WTG's mounted on bridges between two skyscrapers. This project is the first wind powered skyscraper in the world and featured by a National Geographic documentary. The BWTC won awards for the incorporation of renewable energy into its large-scale building design, including the 2009 NOVA Award in Innovation, the Best Tall Building Award, Mena Region for 2008, the EDIE Award for Environmental Excellence 2007 and the LEAF Award for Best Use of Technology within a Large Scheme 2006. Atkins won the 2008 Architect Best Tall Buildings from CTBUH. Popular Science Magazine recognized BWTC as the Best of What's New 2008 Engineering, Top TechnologyAward.

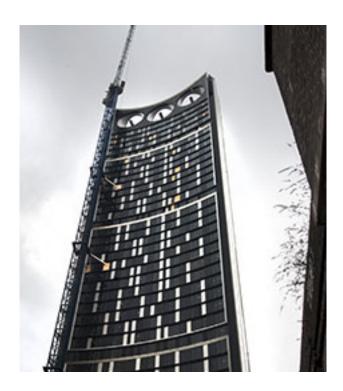




Strata Building

Owner(s)
R/E Investor
Location
South London
Industry
Architectural integrated Wind
Turbines
Status
Operational
Power Station Information
Primary Fuel - Wind
Installed Capacity

57 kilowatts **Leadership** Mr. Douglas Murphy As Board of Director for Norwin A/S, MIDC D.Murphy had oversight for the Strata Building aka the Razor at Elephant and Castle in Southwark, London. Strata is a 148-metre, 43 floors, 408 apartment sky scraper - the tallest residential building in London. Strata is the first building in the world to incorporate wind turbines within its structure. The three nine-meter wind turbines will produce 50MWh of electricity per year - sufficient energy to provide power for the common areas of the building. the Building. This world-renowned project Propels Wind Energy to Urban Future.







Stillwater Geothermal

McEvoy Ranch

Owner(s)

ENL

Location

Fallon, Nevada USA Industry

Plant Site, Production well, Expan-

sion

Status Operational

Power Station Information

Primary Fuel - Geo Thermal

Installed Capacity

33 Megawatts

Leadership

Mr. Douglas Murphy

Mr. David Abraham

MIDC's principles, D.Murphy and D.Abraham, formed Geothermal Management Services, LLC and acquired the Stillwater Project through eight separate transactions; repowering from 6MW performance to 12.5 MW nameplate. Geothermal Management Services LLC to performs all facets of the geothermal development and power production: management, land acquisition, geothermal resource identification & development, engineering, operations and technical execution. Developed additional 20MW using new adjacent wellfield and unique underground gathering system. Sold to ENEL.



Owner(s)
McEvoy Ranch
Location
Morin County, CA, USA
Industry
Agricultural Wind Farm
Status
Operational
Power Station Information
Primary Fuel - Wind

Installed Capacity
225 Kilowatts
Leadership
Mr. Douglas Murphy

MIDC's, Norwin America team provided the 225 kW wind turbine at McEvoy Ranch, a commercial olive farm and processing facility near Petaluma in Marin County. We supported the design, and installation of the turbine that now provides approximately 2/3 of the ranch's power. The McEvoy wind turbine is the first wind project completed with PG&E SGIP incentives and is the largest privately owned agricultural windmill in California. The project received Assemblyman Jarred Huffman's Sustainable North Bay award.





Biglow Canyon Wind Farm

Owner(s)

Portland General Electric Sherman County, Oregon USA Location

Sherman County, Oregon USA Industry

Agricultural Wind Farm Status

Operational

Power Station Information Primary Fuel - Wind **Installed Capacity**

450 Megawatts Leadership

Mr. Douglas Murphy

MIDC's principal D. Murphy, as a founder of Zephyr Power Development LLC, developed the site including the Land Investigation and Lease, Wind Evaluation; Anemometer siting, data logging and analysis, Financial Modeling, Turbine Selection & Layout. Then established the JV equity partnership negotiated with Innogy (RWE) negotiating the final sale to Portland General Electric with RWE/Orion.



Hybrid Wind and Solar Energy Project

Owner(s)

Rosalie Resort Location

Dominica, West Indies

Industry

Eco-tourist resort sustainable system Status

Operational

Power Station Information

Primary Fuel - Wind, Solar, Deisel

Hybrid **Installed Capacity**

225/12.5/220 kilowatts

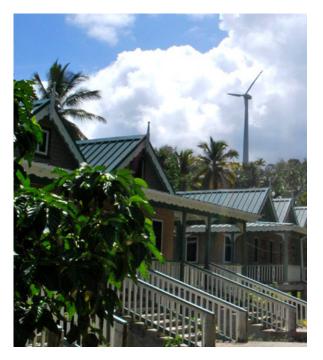
Leadership

Mr. Douglas Murphy

Dr. Bevin Etienne



Renewable Energy Design & Installation of a Class 1 NORWIN 225 kW wind turbine on a 40-meter monopole tower in Dominica. The wind turbine is expected to generate 586,000kWh of clean energy per year offsetting 160 metric tons of CO2 emissions annually. Sustainable Planning and Development integrated the wind turbine in a hybrid configuration with solar and diesel generation. The eco-resort is on one of the more renowned turtle nesting beaches on the island for Leatherback, Hawksbill and Green Turtles and the home of the ROSTI Turtle Initiative. The wind turbine is the first utility scale wind project completed and operational in the Organization of Eastern Caribbean States (OECS) member countries.



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Planning, Architecture and Sustainable Solutions

DREAM Collaborative provides design, planning, and project development services to create healthy, sustainabile and inspiring built environments globally. DREAM Collaborative has received awards for its work in urban revitalization and sustainable development projects from the American Institute of Architects and the President's Round Table. By integrating mixed use, residential, commercial, life science, hospitality and other uses they have created unique opportunities to transform existing cities into healthier and more vibrant places to live. We have also been recognized for our work in creating holistic new master planned communities in emerging economies that honours existing economies and traditional ways of living while improving construction methods and integrating renewable and clean energy technologies, and sustainable ecologicall praciteces.

Our work accounts for the fact that buildings in communities globally consume more energy than any other industry. For this reason DREAM Collaborative's design, energy and development specialists work closely on every assignment to develop:

- 1. Apropriate planning and passive design strategies
- 2. Improved material selection, energy efficient building envelope design, energy efficient lighting, and equipment and applicance selection
- 3. On-site and community-scale renewable and clean energy technologies



Areas of Service

Development and Planning

Feasibility Studies Master Planning Urban Design Urban Renewal Community Engagement

Architecture

Feasibility Studies
Program and Needs Assessment
Conceptual Design
Construction Documentation & Administration
Interior Design
Sustainable Building Design
Building Information Modelling (BIM)
Concept Vision Renderings

Energy Efficiency

Energy Use Analysis
Energy Audits
Energy efficiency technology selection
Existing Building Energy Efficiency Retrofits

Renewable Energy and Clean Energy

Solar Technologies
Wind Technologies
CHP on site generation
Renewable Energy Technology Selection
Smart Grid

Sustainable Design

Sustainability Charrettes and Team Leadership Sustainable Education LEED Process Management

Grant Assistance & Procurement

Research and assistance for grants and other funding sources appropriate to your building and location offered by public and private sources including local utilities





Gregory Minott, AIA, LEED AP - Founder and Principal
Gregory has over 12 years of experience in a range of
award winning green building and planning projects. N

award winning green building and planning projects. Most recently he was awarded 2010 Young Architect of the Year by the American Institute of Architects for his important contributions in master planning, urban design, and architecture in the US. He has developed an expertise in designing LEED certified green buildings, planning for urban renewal strategies and smart-growth communities. These communities integrate clean energy, transportation and dense mixed-use neighborhoods that maximizes choices for residents and businesses.



Troy Depeiza, LEED AP - Founder and Principal

Troy Depeiza is a founding Principal of D.R.E.A.M Collaborative. He has gained over 13 years of experience on diverse building types. His most recent accomplishments with the Plaza at Dudley Square and The Eli and Edythe Broad Institute in Cambridge, MA have emerged out of his commitment to transform and enhance the built environment. Currently, Troy is leading a specialized team to complete a LEED certifiable laboratory project for a leading global pharmaceutical company. Troy's ongoing commitment to service in the industry has won him healthy, long standing relationships with clients, contractors, and engineers.



Bevin Etienne, PhD - Energy Specialist

Bevin specializes in the research, development and implementation of clean and sustainable energy technologies. Bevin was Project Coordinator for OAS/DSEC Wind Turbine Pilot Project in Dominica. He secured grant funding, supervised capital equipment, and site selection from inception to construction. Currently, Bevin performs system analysis and design for medium and small scale hybrid energy projects. His specific responsibilities include energy audits, on site renewable energy assessment and technology implementation, and measurement and verification of renewable energy and energy efficient technologies.



Principal Team

Kevin Brodber. Assoc. AIA - Project Manager

As a project manager Kevin's responsibilities span the full scope of services offered by DREAM Collaborative, including fast track design, programming, design, renovation, codes, technical coordination, sustainable design and Anti terrorism Force Protection. Past Project types range from highly technical facilities such as air traffic control towers to child development centers, educational facilities, administration offices, barracks, civic buildings, libraries, public safety facilities and lodging. Mr. Brodber has also led several design reviews leading teams through an analysis of green building solutions and construction materials and techniques.

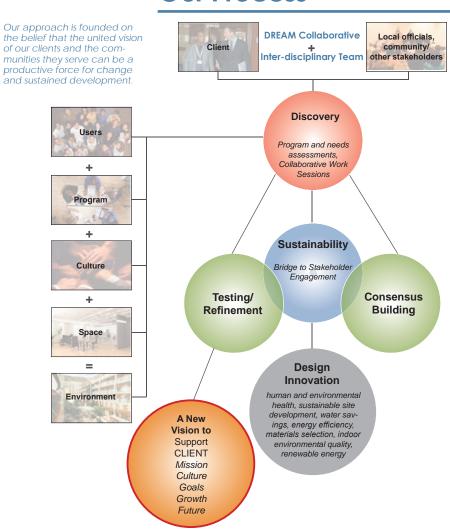
Sustainable Design



Our sustainable design approach:

- Plan environments that are sensitive to the culture and climate of the place
- Design buildings that are flexible and able to accommodate change
- Integrate social, aesthetic, technological, environmental and economic priorities
- Limit consumption of resources and reduce pollution
- Design comprehensively: form and structure, flexibility and durability, orientation, heating, cooling, ventilation and lighting strategies, all contribute to the energy required to build and maintain buildings
- Harness renewable and clean energy sources
- Recognize that sustainable design is a bridge to community engagement.

Our Process



DREAM Collaborative 20 21 Firm Profile and Selected Work

Dudley Square Redevelopment

Location

Roxbury, MA

Urban Revitalization and Sustainable Design

Services

Master Planning, Urban Design **Project** 235.000 SF

\$75 million USD

Awarded Best Build Design by the American Institute of Architects/Boston Society of Architects -2008 The planned removal of two vacant buildings and the relocation of the existing Boston B-2 Police Station on Dudley Street to Washington Street result in a large site redevelopment opportunity.

The goal was then to craft an urban design strategy and build intervention that both re-establishes the southern edge of the Dudley Square Commercial District and reintegrates this edge into the whole district becomes a design challenge.

The overall design explores the aspirations of the Roxbury community, and takes advantage of the site location in Dudley Square, as well as the large number of commuters that travel the area daily. A new pedestrian plaza creates a gateway to the area and is anchored by a small business incubator building to the east and a larger commercial office building to the west linked by a glass bridge. Within these buildings a mix of community and arts space, retail, dining, and office space is provided, in addition to underground parking.

Environmentally conscious strategies were utilized throughout the project. Waste from the site's demolished buildings will be recycled to build the new plaza, which will gradually incline from Dudley Street to the courthouse building. The south facing office atrium in the commercial building, as well as other strategies throughout the project will seek to increase energy efficiency by maximizing daylight and reducing cooling and heating loads. Photo voltaic louvres installed above the atrium provides power to the facility as well as shading for the atrium. The park, the heavily planted plaza, and a green roof on the community building will add much needed vegetation, and will help moderate the impact of paved surfaces on the area's micro climate.

(above) Aerial view of plaza created by new mixed use green buildings across from improvements to transportation hub (below) Pedestrian Plaza creates new gateway to the area while providing several amenities.





Their submission was the most compelling in the sense that we could actually imagine it being built...We all thought that, if you could do this, it would truly make the square a better place.

- Kairos Shen, Chief Planner, City Of Boston





Dry Valley Development Master Plan

Location

Trewlawny, Jamaica WI Industry

Affordable Housing

1000 Housing Units \$100 million USD

Services
Master Planning, Infrastructure
Development, Sustainable Design
and Clean Energy
Project Scope
700 Acres

The 700 acre Dry Valley Development Master Plan was prepared for the National Housing Trust of Jamaica, a quasi-public agency providing affordable housing solutions to residents of Jamaica. The Design for Dry Valley has been developed around sustainable, new urbanist principles that prioritize walkable, livable, compact mixed-use communities in order to reduce the dependence on automobiles for weekly needs and maximize choice and opportunities for residents.

The fundamental elements of the master plan design have been organized around three primary neighborhoods totalling 1000 housing solutions, with a balanced mix of human activity. These neighborhoods are located in the central areas of the site and are each less than a ¼ mile in radius from their center to edges, making each neighborhood within a comfortable walking distance to each other. Each neighborhood is divided into two housing clusters that are organized around central parks and playgrounds easily accessible to all residents. A fourth lower density neighborhood containing a mix of larger service lots and tourism uses has also been planned. The neighborhoods have been connected to each other and to a town center by an efficient and ecologically sensitive roadway and pedestrian system.



(above) Aerial View of community with mixed use town center in foreground, neighborhood clusters and community-scale renewable energy technology beyond. (below) Town center with open space and mixed use buildings.





This Sustainability Road Map directs ECONOMIC / SOCIAL / ENVIRONMENTAL: TOWN CENTER a holistic approach to a sustainable -SUPPORTB LOCAL AND NEIGHBOURING COMMUNITY NEEDS FOR SHOPPING, RESTAURANTS, HEALTH AND PUBLIC SERVICES, COMMUNICAL OFFICE SPACE, RECREATION, ENTERTAINMENT, WORKSHIP society, economy, and environment JERK CENTER / REST STOP AN ENVIRONMENTAL: SOLID WASTE RECYCLING RECYCLE AT LEAST ST ECONOMIC: COTTAGE INDUSTRY ENVIRONMENTAL: TERTIARY LEVEL SEWAGE TREATMENT / WATER RECYCLING / METHANE CAPTURE TO YOUR A MINIMUM OF 25% OF ANNUAL WASTE WATER TEUSE WATER FOR IRRIGATION OF FARM LANDS AND CO CAPTURE METHANE TO FUEL GENERATOR TO BURBORY SOCIAL: EDUCATION TO DUNCANSIOCHO RIOS ENVIRONMENTAL: AGRICULTURAL RESEARCH AND DEVELOPMENT FARM - DROUGHT RESISTANT BIO EHERGY CROPS - JATROPHA, CASTOR PLANTS-IRRIGATION FROM RECYCLED WATER FROM TENTIARY SEWAGE TREATMENT PROCESSES - SUPPORT LOCAL TRAINING PROGRAMS AND EMPLOYMENT SOCIAL / ENVIRONMENTAL: PEDESTRIAN SIDEWALKS / BIKE PATHS **ENVIRONMENTAL: PHOTO VOLTAIC COLLECTORS** CLEAN ENERGY SOURCE TO BUSINESSES AND RESIDENTS
 EXCESS POWER SUPPLIED TO JPS GRID
 PROVIDES LOCAL JOBS IN NEW ENERGY SECTOR SOCIAL: MIXED AGE / MIXED INCOME NEIGHBORHOODS
-REDIGENTIAL UNITS DESIGNED FOR FLEXIBILITY TO SUIT VARIOUS NEEDS
-COMPACT WALKAREL REGISTROPHOODS WITHIN 14 MER OF MAJOR AMERITES **ENVIRONMENTAL: WIND TURBINES** CLEAN ENERGY SOURCE TO BUSINESSES AND RE
EXCESS POWER SUPPLIED TO JPS GIND
PROVIDES LOCAL JOBS IN NEW ENERGY SECTOR ENVIRONMENTAL / ECONOMIC: ECO TOURISM ENVIRONMENTAL / ECONOMICAL: RENEWABLE ECONOMIC / ENVIRONMENTAL: ECO TOURISM **ENERGY AND WATER EFFICIENCY** PHOTO VOLTAIC CELLS
SOLAR HOT WATER HEATERS
ENERGY EFFICIENT APPLIANCES
WATER EFFICIENT PLUMBING FIXTURES SOCIAL / ENVIRONMENTAL: HISTORIC PRESERVATION SOCIAL / ENVIRONMENTAL: PLAYGROUNDS PLAY GROUNDS
-TENNISHFOOTBALLICRICKET AND OTHER ACTIVE USES

(below) Perspective of typical neighborhood cluster featuring a distinctive housing type organized around central open space where children can play safely and neighbours can meet. (right) Typical housing unit designed to reflect local Georgian tradition and take advantage of renewable energy technologies and innovative building systems.







Station Landing Master Plan

Location

Medford, MA

Industry

Mixed Use Development

Services
Mostor Diappir

Master Planning, Architecture, Interior Design

Project

16 acre master plan 127 Unit Condominium Building-

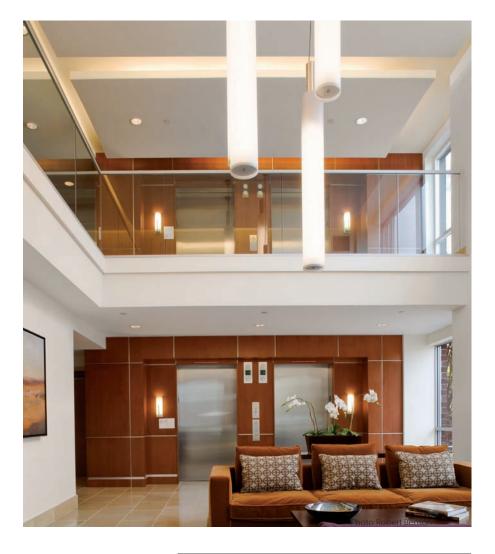
\$50 million USD

Elkus-Manfredi Architects Project Role: Gregory Minott as Project Architect while at Elkus Manfredi Architects Station landing is a 16 acre transit oriented brownfield redvelopment master plan. Located along the mystic river with spectacular views to Boston, Station Landing is a new vibrant mixed use community in Medford. The masterplan includes the ground up construction of over a million square feet of mixed use office, retail and residential space, designed to LEED standards. Station Landing is located adjacent to mass transit and is designed with the pedestrian in mind with wide brick lined sidewalks, outdoor cafes, and a lush water front park.

Skyline at Station Landing is a new 12 story 127 unit residential condominium tower that was completed in 2007 as part of the 16 acre masterplan. The waterfront site was a previously underdeveloped brownfield site. The building was designed to meet strict energy codes and energy star standards while giving each unit great views of the Boston skyline.

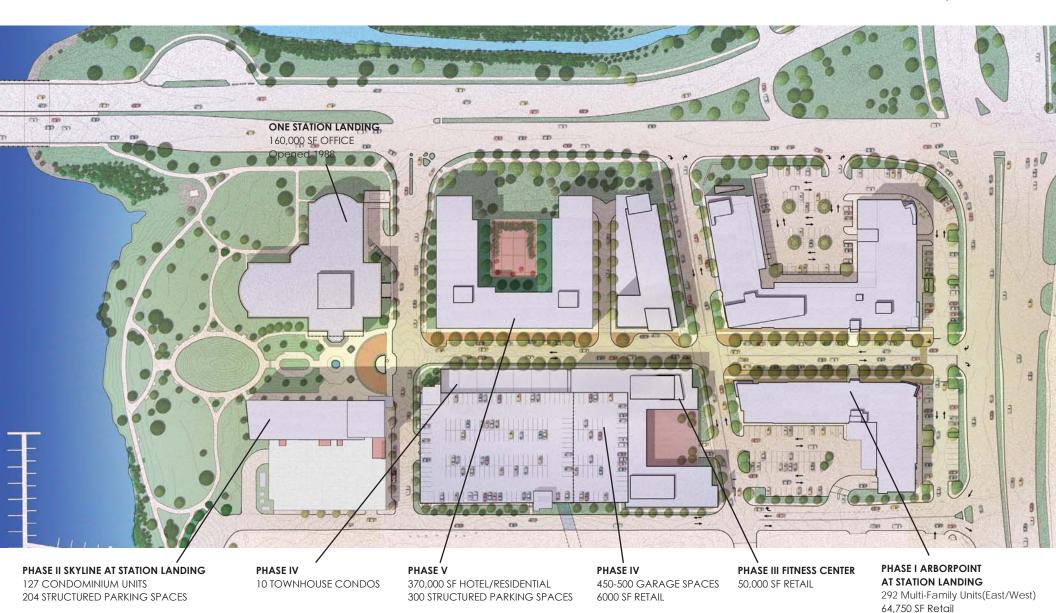


Interior condominium lobby featuring contemporary design and sustainable materials as well as energy efficient lighting and abundant daylight from north facing low-e windows.



Station Landing has been planned as a mixed use 24 hour neighborhood designed with the pedestrian in mind with wide brick lined sidewalks, outdoor cafes, and a lush water front park.

233 Surface Parking Spaces 413 Below Grade Parking Spaces





(left) Axonometric of typical one bedroom unit wiht an open efficient planning concept. (below)Contempory lobby design featuring rapidly renewable materials and abundant daylight. (right) Elegant exterior design with modern design elements and contextual use of materials.





Novartis Institutes Mixed Use Office Building

Iconic north facing facade with saw tooth building massing to maximize daylighting and views to interior spaces.

Location

Cambridge, MA Industry

Green Building Design Services

Planning, Architecture, Interior Design

Project

65,000 SF \$28 million USD

Architect

Elkus-Manfredi Architects Role: Gregory Minott as Project Designer while at Elkus Manfredi Architects This new headquarters for Novartis completes their campus in Cambridge. The new 65,000 square foot building was designed to provide an identity for Novartis and designed to a LEED NC Gold certification. Sustainable strategies include, building orientation to maximize daylight and shading, gray water reuse, interior courtyard to maximize daylight, high performance curtain wall system, energy effecient lighting and HVAC systems are just a few strategies used.

The interior plan was organized to give all work spaces abundant access to daylight with open office space occupying space along the perimeter while meeting rooms and private offices were placed on the interior of the plan.





Orman Residence

The house was designed with a modern aesthetic. A small courtyard, notched from the footprint, leads to the entry situated midway along the length of the house.

Location Calgary, Canada Industry Private Residence

Services

Architecture, Interior Design Architect

Gray Watt Partners Role: Gregory Minott as Project Architect This residence fills a long, narrow site on the Elbow River in an eclectic residential neighborhood of downtown Calgary. The house feartures a play of masses in a modern architectural language. Inside, the spaces are defined by levels to create an open floor plan. A small courtyard notched from the footprint leads you to the entry into the house. The entry opens to the focal architectural feature of the interior an elegant staircase ascending from the entry to the private living spaces on the floor above. Insulated concrete form construction provides significant energy savings particularly in Calgary's harsh winters. The building orientation and window openings maximize daylight to the interior along this narrow site





From the outside the house features generous living spaces and provides connections to the interior through large walls of windows.

