

## SUSTAINABLE DESIGN ENGINEERING EXPERIENCE

Norian/Siani Engineering, Inc. has provided Sustainable Design for our client's projects for over 38 years. We began as an Energy conservation consulting Firm and added full-service Mechanical, Electrical, Plumbing and Fire Protection Design Engineering within our first three years. Design and construction phase services make up over 85% of our work with master planning and studies making up the rest. Our greatest strengths have always been our collective expertise, our sustainable designs, and our ability and willingness to communicate. Our experience is long and deep. The projects below are a partial list of our sustainable design experience:

### **Sustainable Multi-Family Housing Projects (Most projects are also Energy Star certified)**

21 Allen St (69 DU) Somerville MA (Passive House PHIUS+ 2018 Registered)  
82 Prospect St. (29 DU) Somerville MA (Passive House PHIUS CORE 2021 Registration Pending)  
118 Prospect St. (29 DU) Somerville MA (Passive House PHIUS CORE 2021 Design Certified)  
2147 Washington St. (74 DU) Boston MA (Passive House PHIUS CORE 2021 Design Certified)  
Bartlett B (60 DU) Boston, MA (LEED Gold Certified)  
Bow Street Apartments (24 DU) Somerville MA (Passive House PHIUS+ 2018 Design Certified)  
Chairback Lodge, AMC, Greenville, ME (LEED-H Gold Certified, Off-Grid, Biomass, PV, Batteries)  
Dudley Village (5 bldgs, 50 DU) Roxbury, MA (LEED-NC Silver certifiable, 2011 BSA Socially Responsible Housing)  
E+ Highland (23 DU) Boston, MA (Passive House Registered, Boston Energy Positive Green Building Program)  
Health Houses, Milford NH (ALA Demonstration House, High efficiency Systems, High IAQ development)  
Island Park Housing (2 bldgs, 80 DU) Lawrence MA (Passive House PHIUS+ 2018 CORE Design Certified)  
Jackson Place (6 bldgs, 278 DU) Cambridge, MA (Passive House PHIUS CORE 2021 Design Certified)  
Juniper Hill (9 bldgs, 46 DU) Wellfleet, MA (Passive House Registration Pending)  
LBJ Apartments (180 DU) Cambridge, MA (LEED-NC 3.0 certifiable, Co-Gen, PV, & Solar Thermal, Solar air collector, 2014 BSA Design Excellence Award, 2016 BSA Sustainable Design Award)  
LeClair Village (3 bldgs, 39 DU) Mashpee MA (Passive House PHIUS CORE 2021 Registered)  
Neponset Field (2 bldgs, 48 DU) Mattapan, MA (LEED-H Silver certifiable)  
Olmsted Green (52 bldgs, 520 DU) Mattapan, MA (LEED-H Silver certifiable)  
Putnam Green Residences (2 bldgs, 40 DU) Cambridge, MA (LEED-H Platinum Certified, Solar Thermal, PV)  
Saint Polycarp Village (3 bldgs, 85 DU), Somerville, MA (LEED-NC 2.2 Certified, EcoHome Design Award)  
Spring Rock Village (12 bldgs, 41 DU) Brewster, MA (Passive House PHIUS CORE 2021 Registration Pending)  
Warwick-13 (28 DU) Somerville, MA (Passive House PHIUS+ 2018 Registered)  
Washington Beech Apartments (18 bldgs, 200 DU) Boston, MA (Low-rise Buildings LEED-H Gold Certified, Midrise Building LEED Silver Certified)

### **Sustainable Single Family Residential Projects**

Mill Rd. Residence, Harvard MA (Passive House Design, Net Positive Energy, PV, Batteries, 2019 Wan Award)  
Residence, Newton MA (LEED-H Silver Certified (1<sup>st</sup> in MA), High efficiency systems, PV, & Fuel Cell)  
Esther's Island Retreat, Nantucket MA (LEED-H Gold Certified, Off-Grid, Heat Pump, Wind Turbine, PV)  
Mass. Electric Conservation House, Malden MA (Multiple Strategies)

### **Sustainable School Projects**

Worcester State College, Dowden Hall, Worcester MA (LEED-NC 3.0 Gold Certified)  
MIT, Graduate Student Dormitory, Boston MA (High Efficiency systems and controls)  
Harvard University – Multiple Projects, Cambridge MA (Steam Tunnel Heat Recovery, Solar Thermal DHW)  
Newton South High School, Newton MA (Commissioning: PV's, Storm Water Re-use, etc.)  
Southwick-Tolland, Southwick MA (Electric to gas conversion: Boilers, DHW, Controls, Daylighting)  
Greater Lawrence Technical High School, Andover MA (Ice Storage, High Efficiency Boilers, & Controls)  
New Bedford Voc-Tech, New Bedford MA (Strainer Cycle, VFD's, Controls, etc.)

### **Miscellaneous Sustainable Projects**

All Saints, Brookline MA (EPA National Energy Star Congregation Award, First Prize)  
City of Salem Forest River Pool (Net Zero public pool)  
259 Quincy Street, Boston MA – Industrial (LEED-NC 2.2, Platinum)  
N.E. Electric Power Rebate Program (Administration of large utility rebate program)