

**EnerTronics Engineering Corp.**  
**Institutional and Hospital Project List 2000-2020**

PROJECT NUMBER	PROJECT TITLE	CLIENT	LOCATION	DESCRIPTION	EST PROJECT COST (000's)	YEAR COMPLETED
1021	SPD Suite - HVAC and Pure Water System Upgrade	VA Medical Center	Danville, Illinois	Air borne Contamination Control: Upgrade of HVAC, Operational objectives with Energy efficiency and commissioning and typical least cost operational adjustments to improve energy efficiency approach. RO unit, Technologies related to heating systems, cooling systems, refrigeration systems, ventilation systems, moisture control systems, hot water systems, sensors and energy management systems, indoor air quality. Energy performance awareness, Identifying potential building system synergies. Best practices maintenance of building systems and components including fault detection, Correct maintenance procedures and quality assurance techniques, Sensors and energy management systems	400	2000
1020	New Storage Building with multiple truck bays including electricity, lighting and heating. New Soil Pit design to replace for ground maintenance soil storage at Cemeteries (Design-Build)	VA Medical Center	Nicholasville, Kentucky	New building with advanced technologies such as heating systems, ventilation systems, hot water systems, lighting systems, sensors and energy management systems, indoor air quality. Improving integration of building systems such as advanced technologies for synergistic benefit. Operator aids, Operations and Maintenance Support.	420	2000
1022	Security Upgrade - Outpatient Pharmacy and Agent Cashier	VA Medical Center	Danville, Illinois	Upgrade security systems and additional features to include cameras, windows, reflected ceiling relocating and wall relocation. Technologies include lighting systems, heating and cooling systems, ventilation systems, sensors and energy management systems, moisture control systems. Improving integration of building systems including identifying potential building system synergies.	600	2001
1001	Columbarium Expansion - Abraham Lincoln National Cemetery	VA Medical Center	Elwood, Illinois	Columbarium Expansion - Abraham Lincoln National Cemetery. Provide Columbarium Plaza to hold 3600 Niches, to include grading, landscaping, storm sewers, sidewalk parking and roadway, irrigation zone control.	2100	2001
999	Energy Audit for FAA facilities - Southern Region	FAA	Miami & Jacksonville, Florida; Atlanta, Georgia;	Energy Audit for FAA facilities - Southern Region . Provide to FAA facilities energy efficiency and commissioning. Measuring and benchmarking energy performance of systems, components and whole buildings. Methods to improve energy performances and	2500	2001
1070	Repair Roads and Site Access	VA Medical Center	Kentucky	Provide engineering support for the improvements towards Site access and parking lot repairs, grading, sewers. Electrical site lighting, wayfinding signs	3,000	2002
1062	SPS Renovations	VA Medical Center	Indiana	SPS Renovations. Provide Mechanical, Electrical and Plumbing support to the design of a renovation of Supply Process and Sterilization Spaces in a 10 story hospital Building 1. HVAC, Heating Hot Water system, Domestic Cold Water, Plumbing, Sanitary Sewer, IT and Electrical	2,000	2002
1030	Electrical Upgrade - Buildings 58, 98, 104	VA Medical Center	Danville, Illinois	Electrical upgrade to expand transformers/ switchgears. Install new transformers outside of rooms (58 and 104) on concrete pads while current equipment inside rooms are being used. Measuring and benchmarking energy performance including benchmarking energy performances of systems, components, and whole buildings, testing protocols, . Best practices maintenance of building systems and components including fault detection (automatic and manual) Provide advanced technologies in cooling systems, ventilation systems, indoor air quality.	800	2002
1030	Electrical Upgrade - Buildings 58, 98, 104	VA Medical Center	Illinois	Electrical upgrade to expand transformers/ switchgears. Install new transformers outside of rooms (58 and 104) on concrete pads while current equipment inside rooms are being used. Switch over to new transformers after installed and remove current transfo	1,100	2002
927	Oxygen System Upgrade for a Building Including new oxygen control stations, piping, alarms & controls - Detailed Design	VA Medical Center	Danville, Illinois	Oxygen System Upgrade for a Building Including new oxygen control stations, piping, alarms & controls - Detailed Design	500	2002
1035	GI 8 East Upgrade at Richard L Roudebush VAMC Hospital, Indianapolis	VA Medical Center	Indiana	GI 8 East Upgrade at Richard L Roudebush VAMC Hospital, Indianapolis. Provide Mechanical, Electrical and Plumbing support for a GI relocation and upgrade from 4th floor to 8th floor in Building 1. HVAC, Heating Hot Water system, Domestic Cold Water, mixing stations, Plumbing, Sanitary Sewer, Medical Gases Fire Protection, I	2,000	2003

1033	Emergency Department addition to building 58	VA Medical Center	Illinois	Emergency Department addition to building 58. Provide Mechanical, Electrical, Structural and Plumbing support for a ED addition to building 58. Medical Gases, Plumbing, Sanitary Sewer, Fire Protection, HVAC and Air Handling Equipment, Structural foundations, floors, roof and walls. Landscaping and pa	3,000	2003
1060	VERC and PACT Renovation, 1st Fort Wayne VAMC Hospital, Fort Wayne	VA Medical Center	Indiana	VERC and PACT Renovation, 1st Fort Wayne VAMC Hospital, Fort Wayne. Mechanical, Electrical and Plumbing design of approximate 10,000 sq ft VERC and PACT . HVAC, Heating Hot Water system, Domestic Cold Water mixing stations, Plumbing, Sanitary Sewer	3,000	2004
1037	Building 6 Renovation at Aleda E Lutz VAMC Saginaw, Michigan	VA Medical Center	Michigan	Provide Mechanical, Electrical and Plumbing support to renovate Building 6 currently used as a boiler facility to a 2 story office building for engineering. Plumbing, Sanitary Sewer, IT, Electrical, HVAC and Air Handling Equipment.	4,500	2004
1051	Clinical Improvements, 1st, 3rd and 4th floor at Richard L Roudebush VAMC Hospital, Indianapolis	VA Medical Center	Indiana	Clinical Improvements, 1st, 3rd and 4th floor at Richard L Roudebush VAMC Hospital, Indianapolis. Provide Mechanical, Electrical and Plumbing support to the design of a 10,000 sq ft Clinical Spaces in a 10 story hospital Building 1. HVAC, Heating Hot Water system, Domestic Cold Water mixing stations, Plumbing, Sanitary Sewer	3,000	2005
928	Medical Air System Upgrade for a VA Hospital, including compressor installation & piping modifications - Detailed Design	VA Medical Center	Saginaw, Michigan	Medical Air System Upgrade for a VA Hospital, including compressor installation & piping modifications - Detailed Design	300	2008
925	2300 cfm HVAC Unit & 350 Ton Chiller Upgrade for Buildings 98 & 101 at a VA Hospital - Detailed Design	VA Medical Center	Danville, Illinois	2300 cfm HVAC Unit & 350 Ton Chiller Upgrade for Buildings 98 & 101 at a VA Hospital - Detailed Design	600	2009
995	DOI- US Geological Survey - LMERS - National Park Service	Department of the Interior - National Park Service	Indiana	DOI- US Geological Survey - LMERS - National Park Service. The feasibility study required assessment of fall protection features for conversion. Ergonomics issues related to laboratory design, work stations and handling procedures for a Class III Lab.	50	2013
990	Heating, Ventilation & Air-conditioning of dedicated Clean and Soiled rooms in a SPD facility with 4000 cfm each outside air - Study & Design	VA Medical Center	Murfreesboro, Tennessee	Heating, Ventilation & Air-conditioning of dedicated Clean and Soiled rooms in a SPD facility with 4000 cfm each outside air - Study & Design	1100	2013
990	Electrical Upgrade, NEC Violations, 5 hospital buildings and complex, 200,000 sq ft area	VA Medical Center	Danville, Illinois	Electrical conduit overfill, new panel, conduits, clearances, tap violations. Energy efficiency, Identifying potential building system synergies, sensors and energy management systems, testing protocols	500	2013
1097	Pharmacy USP800/797 Upgrade	VA Medical Center	Mountain Home, TN	USP 800/ 797 regulation upgrade for hazardous and sterile drugs. Receiving, storage, compounding and dispensing area redesign. New AHUs, for general and compounding areas.	1200	2018
1111	FHCC VCS Storage	VA Medical Center	North Chicago, Illinois	Merchandise storage, refrigerated, non-perishable and secure areas. New condenser system and AHU for HVAC. Closed circuit camera, physical uprade for security.	750	2020
1122	Renovate 3A/3C - CPS	VA Medical Center	Madison, Wisconsin	15,000 sq fr, Medical Unit, New Patient Private rooms with bath , Nurse Call Center, Medical gases, Pneumatic Chute system, Inpatient lifts, New AHU and VAV system,	5000	2020
1110	Upgrade HVAC 9B	VA Medical Center	Jackson, Mississippi	HVAC Improvements, 2nd, 3rd, 4th and penthouse at GV (Sonny) Montgomery VAMC Hospital, Jackson, Mississippi to upgrade HVAC Units and a dual heating and cooling double deck ducted system to single ducted systems. HVAC, Heating Hot Water system, Chilled Water, VAV boxes, mixing stations, Plumbing, Electrical and Controls. Provide Architectural and Phasing and Mechanical, Electrical and Plumbing support for clinical and office supporting staff spaces.	565	2020
1112	FHCC – Prosthetics Logisitic Storage	VA Medical Center	North Chicago, Illinois	Merchandise storage, secure areas and office spaces. New Heat pump system for HVAC, Return fan, VAV Supply boxes, Closed circuit camera, physical uprade for security.	750	2021
1116	FHCC – Exam and Office Rooms	VA Medical Center	North Chicago, Illinois	Office and Exam expansions	750	2021
1123	Renovate 4 B	VA Medical Center	Madison, Wisconsin	10,000 sq fr, Stepdown Cardiac Unit, New Patient Private rooms with bath rooms, Isolation rooms, Nurse Call Center, Medical gases, Pneumatic Chute system, Inpatient lifts, New AHU and VAV system,	5000	2021
1121	Steam and Condensate Repair	VA Medical Center	Madison, Wisconsin	High pressure stram routing, directional boring for public street crossing, manholes and cofferdams, pumping and monitoring syste	1200	2021
1126/2149	Electrical Building 18 Replacement Design and CPS	VA Medical Center	Madison, Wisconsin	New Electrical Building for transformers, switch gear and Automatic Transfer switches. Foundation, structural steel, architectural design with normal and emergency egress, HVAC	3700	2021

2139	Electron Microscope	VA Medical Center	Madison, Wisconsin	New Electron Microscope with conference rooms, and preparatory rooms HVAC system	1200	2021
2145	3B - CPS	VA Medical Center	Madison, Wisconsin	9,000 sq fr, Medical Unit, New Patient Private rooms with bath , Nurse Call Center, Medical gases, Pneumatic Chute system, Inpatient lifts, New AHU and VAV system,	5000	2021
1133	Pharmacy Upgrade – USP 800 & USP 797	VA Medical Center	Madison, Wisconsin	USP 800/ 797 regulation upgrade for hazardous and sterile drugs. Receiving, storage, compounding and dispensing area redesign. New AHUs, for general and compounding areas.	1200	2021
2138/2144	Install Roof Tiebacks and CPS	VA Medical Center	Madison, Wisconsin	Roof anchors for building maintenance and window washing purposes.	500	2021
JCC	Renovation project “Modernization of Joliet Job Corp, Joliet, Illinois”	Job Corps	Joliet, Illinois	Job Corps center upgrade, 200,000 sq ft renovation, new class room, gym, clinic, kitchen. 18 New Roof Top Units, ductwork for HVAC sytem, natural gas service and heating system. New electric service, transformers upgrade.	17000	2021
1136	Jesse Brown Blood Lab	VA Medical Center	Chicago, Illinois	Chemical Analyzer, Pathology modernization. New AHU 4000 cfm, Hotwater, security upgrade	2500	2022