



3401 Carlins Park Drive  
Suite B  
Baltimore, MD 21215  
T: 410-884-3161  
F: 410-630-7646

342 Wilkens Ave  
San Antonio, TX 78210  
T: 210-532-3277

E: [na@sdcaec.com](mailto:na@sdcaec.com)  
W: [www.sdcaec.com](http://www.sdcaec.com)

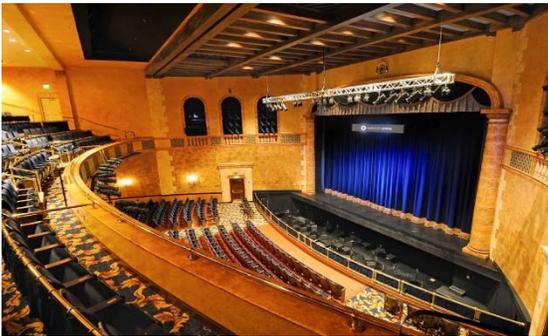




# Statement of Qualifications

## Philosophy

We don't carry an exceptional taste for aesthetics; rather we mature it through our ingenuity of experience, professionalism, reliability, conceptuality, and trust. We believe that before we render a service we have to render our trust and so is born a relationship. Selecting a plan, refining a design, accomplishing more than just a task at hand and achieving just excellence in our many services for our clients is only a mere climb. We believe that our excellence lies not only in building structures that last but also in the lasting relationships we have with our clients.



Our continuous efforts in conservation for design services are paired up with **LEED** (Leadership in Energy and Environmental Design), which guides the planning and implementation of our buildings through their design and construction phases within the set standards of sustainability. This in return constitutes to cost-efficiency and the development of conservational habits in our projects.



Energy efficiency is usually looked at as a high cost determinant when constructing a building, even through the initial design stages. This result is people paying less attention to conservation and energy-efficient technologies that in practicality, is both cost-efficient and resilient in the long run and is also beneficial for the environment that we live in. The solution here is the importance of balance.



To achieve the green awareness that the environment deserves comes from balancing the economics of social wellbeing with considerations for the environment. Our team of professionals sets turnkey standards in achieving just that. Connecting architecture with construction solutions, **SDC** systematically synergizes conceptual designs with environmental sustainability. We at **SDC** believe that sustainability in design/build is achieved through the communication of core project objectives and valuable benefits economically, socially, and environmentally.





# Historic Preservation Adoptive Reuse



## Historic Preservation, Renovation & Adaptive Reuse



We believe in the preservation of historic buildings as a form of respect, understanding and also remembrance that architecture has come a long way through the efforts of art, science and design, put together. Historic buildings are a continuation of their designers' essences, therefore, its renovation, rehabilitation and preservation should constitute for the balance that is evoked from their classic original designs to interpretations.



Adaptive reuse in architecture sheds light on the statement of 'waste not, want not.' Replacing the old structures with entirely constructions may cause wastage of energy and resources, thus intelligent renovations on aged buildings although expensive, however usually economical than demolishing and constructing from scratch, preserves the originality and legacy of the building as well as securing the environment around it.



There is a story to be told from the old to the new, historic preservation in architecture does just that.





# New Construction



## Design Concept

Our design and our concept of designs are based not only in the minimal condition of an idea on its own, but also in its identity, development, and modulation. In other words, we approach the concept holistically.

- Identifying: the idea and/or visualizing it into a diagram or plan
- Developing: the plan into a design concept or a theme which is required or of relevance
- Modulating: the design concept into a structure that is feasible; financially, environmentally, and practically attainable.



Buildings, we believe, need to create a sense of comfort for its occupants as well as its environment, hence **SDC** mediates in designing structures that bring in the facts and philosophies of sustainable green buildings as a resourceful perspective into design/build.





# Interior Planning & Design



## Philosophy

We recognize that each project is an expression of a client's unique personality, thus understanding our clients' values and artistic preferences are essential to creating custom made interior designs that are comfortable in their home, lifestyle, and/or business environment.



Interior design is a discipline that requires intrinsic research, development, analytical skill, proficiency in technology, and knowledge of codes. With these tools the designer shapes three-dimensional interiors.



A professional interior designer will help determine which design services are right for your project and will assemble the necessary team of professionals from a variety of disciplines to drive projects to proper completion.



We provide complete design services from project development to project management. We determine the materials, furnishings, fixtures, and products that are appropriate for our clients' projects.





# Energy Efficient Design LEED



## Energy Efficient Design

SDC, through the implementations of **LEED** certified designs, views the following as sustainable:

- Using environmentally friendly products and materials
- Maximizing the efficiency of project site potentials
- Conserving water
- Develop and optimize quality of indoor environment
- Consistent and continued monitoring of maintenance practices



With all of the above realized into our designs, our concepts also concertize security, efficient waste management, enhancement of productivity, and the flexibility of building types.



Our conceptual designs and ideas are developed through an extensive network of our expert panel of LEED certified architects, engineers, and developers.





## LEED

*Leadership In Energy  
and Environmental  
Design*



### LEED Consulting

**SDC** offers consulting services in **LEED** (Leadership in Energy & Environmental Design).

**SDC** will act as the main contact between project, project personnel, and USGBC; hence our panel of **LEED** certified experts' goal is to make clients aware of LEED processes to ensure the smooth running and success of relevant projects start to finish:



- Feasibility standards on pre-project status in order to be approved for **LEED** Certification.
- Required advice and training for Architects and Contractors and relevant project personnel to facilitate certification processes.
- Providing information and required support and assistance throughout the entire **LEED** project and post-project durations.

These consulting services comprise of the following practice(s):



- Collaborating directly with building owners, Architects, Engineers, and Developers of both commercial and environmentally friendly living and facilities.
- Managing projects through the implementation of the **LEED** certification process; hence working alongside building owners, Engineers, Developers and Architects while piloting relevant and required processes.



Where technical assistance is required **SDC** will implement best practices in relation to environmental efficiency surrounding (indoor and outdoor) the relevant building site in the conservation of water, energy, materials, and overall allied resources.





# Forensics

## Architectural, Structural & MEP



### Forensics

**SDC** specializes in Architectural & Engineering Forensics to determine cause and origin of defects such as construction defects; windows, wall and roofing failures; structural problems; mechanical, electrical, and plumbing issues; accessibility issues (Persons with Disabilities ); and design errors. We strive to preserve the integrity of new and existing buildings through advanced diagnostic and forensic methods.



Forensic Services include:

Architectural Review (Standard of Care)

Structural Analysis

Mechanical, Electrical, and Plumbing Analysis

Building Codes, Zoning, and Regulations

Building Envelope Analysis

Building Survey of Existing Conditions

Construction Administration

Cost Estimating

Design and Remedial Design

Owner's Representation

Peer Review





# Military Design

## Blast and Anti-terrorism Force



### Blast / Anti-terrorism Force Protection

Our expertise and extensive experience spans specialization in explosion effects and blast resistant design. The development of our blast resistant models combine prediction and precision analysis concepts for the relevant design. Our considerable involvement with progressive blast resistance and engineering design in par with threat assessments for commercial buildings, State organizations, and the US Department of Defense has further matured strategies in the research and development in areas such as, explosive testing capabilities, glass hazard mitigation, blast containment chambers, and load simulators.

Therefore, our services include:

- Anti-Terrorism / Force Protection (AT/FP) Assessment and Design
- Blast Containment Vessel Design and Fabrication Support
- Blast Load Prediction
- Blast Resistant Building Design
- Explosion Accident and Incident Investigations
- Glazing Hazard Analysis
- Progressive Collapse Evaluation
- Structural Upgrades and Retrofit Design for Blast Loads
- Window Upgrades and Retrofit for Blast





# Energy Auditing



## Energy Auditing

Our clients of whom are Builders, Architects, as well as small business owners and industrial organizations, have the benefit of our well assured consulting services, which also include performance efficiency testing services for buildings. We are far from being the common inspector because our energy conservation philosophy is focused on a turnkey approach, which examines the entirety of a structure (i.e. its design and structural engineering system as a whole). Keeping to this form of holistic build approach helps us maintain the greatest degree of compliance, which in turn guarantees the most advantageous and cost efficient solutions to our clients' ventures and also their lifestyles.

### Our expertise in energy conservation for buildings include:

- Overhead energy reduction
- Sustainable renewable energy
- Improvement options for energy audits

### Systems for environment conservation:

- Identifying existing heating and cooling loads
- Examining best options and solutions to existing loads
- Recommending best and most efficient equipment needed for reducing load requirements

### Air Sealing & Insulating:

- Examining existing leakages in air and insulation
- Visual inspections and structural depressurization assessment of complete building
- Entire building insulation analysis through infra-red technology to recognize insulation weaknesses

### Lighting Options:

- Analysis of existing lighting operations
- Recommending options for reduction of energy consumption in lighting systems
- Demonstrating the energy consumption benefits of light control sensors
- Recommendations for increasing the efficiency of lighting lev-





# Facility Support Services

SDC provides facility support services for DoD and other Federal clients nation and world-wide to include:

- Building Infrastructure Condition Assessments
- Property/ Facility Maintenance
- Underground/Aboveground Storage Tank Services
- Facility Sustainability and Environmental Compliance

Our seasoned engineers together with quality control and safety professionals, planners and estimators, and maintenance/ construction management and field-certified trade personnel bring extensive experience in traditional approaches, as well as cutting-edge applied technologies and sustainable practices.



## **Building/Infrastructure Condition Assessments**

- Real Property Inventory, Tagging, Assessment
- Asset Management
- Asbestos & LBP Surveys
- Hazardous Materials Audits

## **Property/ Facility Maintenance**

- Facilities Investment and Preventative Maintenance
- Municipal Services
- Facility Repair/Renovation

## **Underground/Aboveground Storage Tank Services**

- Tank Closure and Reporting
- Tank System Upgrades and Installation; O&M
- Storage Tank Inspections/Assessments





# **sdac** SUSTAINABLE DESIGN CONSORTIUM **Environmental Services**

SDC provides comprehensive environmental site investigation, remediation/operations, and compliance services to the US Department of Defense (DoD), as well as Federal, State, and local clients.

- Contaminated Site Assessment
- Underground/Aboveground Storage Tank Services
- Facility Sustainability and Environmental Compliance



Our firm's multidisciplinary technical staff includes professional engineers and geologists, scientists, health and safety professionals, project managers, and GIS and Autocad Users along with licensed well drillers and certified heavy-equipment operators. We bring extensive experience, as well as cutting-edge applied technologies to support cost effective, results oriented, sustainable environmental investigation and remediation practices.

## **Contaminated Site Assessment**

- Phase I/II Site Investigations
- Geoprobe®/Subsurface Investigation
- Conceptual Site Model Development
- Risk Assessments (Human Health and Ecological)
- Vapor Intrusion Assessments



## **Facility Sustainability and Environmental Compliance**

- Sustainability Action Plans
- P2 Program / Multi-Media Support
- EMS and Compliance
- Staffing Support





# Radiological Services

SDC provides comprehensive radiological support for site investigation, remediation/operations, site closure through MARSSIM, and site and facility decommissioning to the US Department of Defense (DoD), as well as Federal, State, and local clients.

- MARSSIM/Decommissioning
- In-situ Gamma Spectroscopy and Position Oriented Gamma Surveys
- Radiological support via staff augmentation

Our firm's radiological technical staff includes Certified Health Physicists, National Registry of Radiation Protection Technologist (NRRPT) certified technicians, trained gamma spectroscopy operators, and project managers. Our personnel utilize state of the art technologies to enhance and expedite project performance and ensure compliance with regulatory requirements.

## MARSSIM/Decommissioning

- Historical Site Assessments
- Scoping/Characterization Surveys
- Final Status Surveys
- Conceptual Site Model Development
- Risk Assessments (Human Health and Ecological)



## In-Situ Gamma Spectroscopy and Position Oriented Gamma Surveys

- Real time results in the field
- Guide remediation
- Qualified Operators
- Onsite screening laboratory
- Walkover position oriented gamma survey system
- Drive over large area gamma survey system



## Radiological support via staff augmentation

- Highly qualified and experienced technicians
- Staffing Support

