



SERVICES DESIGN TECHNOLOGY International



Landscape Engineering





## SDT professional services

SDT offers a wide-ranging variety of professional services to infrastructure operators and owners. We understand the requirements and offer projects of all sizes and kinds ranging from feasibility studies to detailed design to supervision.

Our work covers all phases of service and includes:

- Strategic consulting
- Planning and environment
- Engineering design
- Project management
- Construction management

We are the leaders in the industry with respect to alliance and other relationship-based contracting approaches due to our capability of collaborating effectively.

SDT's specialist services include planning, environment, engineering, project and construction management, transport planning, and strategic consulting.

We collaborate with clients to design future landmarks and create breathtaking landscapes.

Our design process combines knowledge of history and tradition with fluency in contemporary landscape debate.

We bring our mastery of construction to bear on the latest technologies and innovations. We draw on our extensive experience with project delivery in some of the world's most politically and physically complex environments to address the challenges of each project.

Through constant interchange with clients and under the leadership of the effective management, numerous and diverse consultants, SDT International produces landscape architecture of the highest caliber.

The partners, associates, and staff bring a range of interests and expertise together around our shared ambition to create legible, beautiful, and enduring places.





## Landscape Design

At SDT our planning work draws on our understanding of the market forces and our grasp of the broader community and the public interest context for development projects.

Our work demonstrates a continuing commitment to the highest level of design standards and technical expertise. Working closely with each client, we determine the unique project needs and mold our services to those needs.

Our goal is to achieve quality designs which integrate the expectations of the client, attributes of the natural and man-made setting, and the personal commitment of our staff to the design process.

Environmental opportunities and constraints, project scheduling, programming and costs are analyzed within the context of the client's goals. A conceptual design is then generated which is subsequently refined through an evaluation of critical design elements.

Our approach to successful Landscaping is by utilizing the knowledge of our team and binding their intellectual and experiential capabilities in realizing the clients' vision. As such interaction, participatory approach, and exchange of information among different stakeholders are necessary conditions for a perfect and complete Design.





## Our Philosophy

Building great nations depends on understanding and respecting their environment.

SDT consultancy understands your project, prepare site plans and specifications that will always be cost efficient in order to build landscapes that fit with human evolvement and cultural respect. Caring about nature is a main concern for SDT, we build civilizations with precaution and studies.





# Our Scope of Work

Good development sits within the landscape in a way which reconciles local aspirations with the wider needs of the economy, and balances the competing pressures on land for food, timber, housing, jobs and recreation.

To achieve this, projects need to be delivered through strategic planning, technical assessments, master planning, detailed design, integrated project management and strong teamwork.

The landscape profession is well placed to lead multidisciplinary project teams. It is trained to manage the full range of requirements and legislation, coordinating the input of technical expertise with environmental statements and green infrastructure strategies.





# Our Approach



- Developing new or improved theories, policy and methods for landscape planning, design and management at local, regional, national and multinational levels.
- Developing policies and plans and implementing and monitoring proposals for conservation and recreation areas such as national parks.
- Developing new or improved theories and methods to promote environmental awareness and undertaking planning, design, restoration, management and maintenance of cultural and/or historic landscapes, parks, sites and gardens.
- Planning, design, management, maintenance and monitoring functional and aesthetic layouts of built environment in urban, suburban, and rural areas including private and public open spaces, parks, gardens, streetscapes, plazas, housing developments, burial grounds, memorials; tourist, commercial, industrial and educational complexes; sports grounds, zoos, botanic gardens, recreation areas and farms.
- Contributing to the planning, aesthetic and functional design, location, management and maintenance of infrastructure such as roads, dams, wind farms and other energy and major development projects.
- Undertaking landscape assessments including environmental and visual impact assessments to prepare policies or inform new developments.
- Inspecting sites, analyzing factors such as climate, soil, flora, fauna, surface and subsurface water and drainage; and consulting with clients and making recommendations regarding methods of work and sequences of operations for projects related to the landscape and built environment.
- Identifying and developing appropriate solutions regarding the quality and use of the built environment in urban, suburban and rural areas and making designs, plans and working drawings, specifications of work, cost estimates and time schedules.
- Monitoring the execution and inspecting the construction of proposals to ensure compliance with plans, specifications of work, cost estimates and time schedules.
- Conducting research, preparing scientific papers and technical reports, developing policy, teaching, and advising on aspects regarding landscape architecture such as the application of geographic information systems, remote sensing, law, landscape communication, interpretation and landscape ecology.
- Project management of large scale landscape planning and design projects including management of other consultants such as engineers, architects and planners.
- Acting as an expert witness in Development and Environment Court.





# Irrigation System Design

An irrigation system must apply a consistent, even, measurable amount of water to the landscape over a period of time. It is necessary that the system design consider water cost and conservation, long term durability and maintenance cost, safety issues, aesthetic issues, and site specific requirements. The relative importance of these considerations will vary from project to project and require the attention of a qualified and experienced designer.

At SDT International we consider all the aspects of the project and pay attention to all the smallest details that makes our commitment to quality authentic and genuine.

## Our Design Includes:

- Sprinklers Design
- Pipe Design
- Zoning
- Controls
- Pressure Control
- Winterizing
- Low Volume/Micro Irrigation
- Control Wire
- Materials Selection





# Hardscape Design



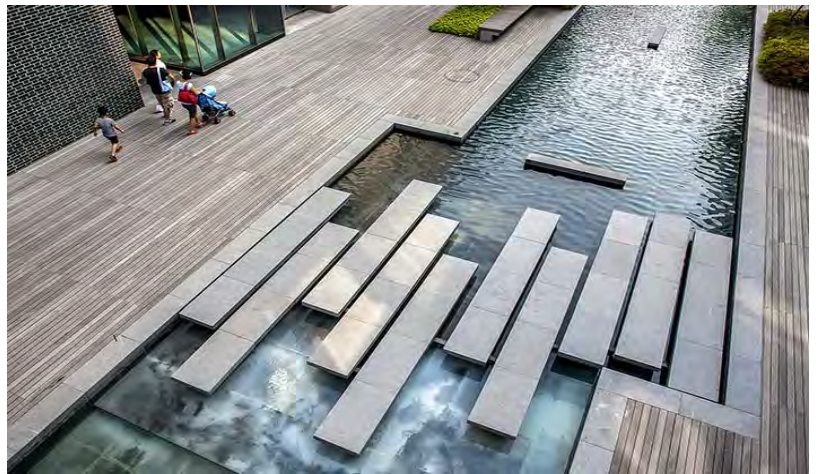
"Hardscape" consists of the inanimate elements of landscaping, especially any masonry work or woodwork. It is one of the two major subcategories of landscaping.

"Hardscape" refers to **hard** materials such as those composed of: Concrete, Brick, Stone, Wood and Metal.

At SDT International we know that a Landscape design is never complete without a customized Hardscape design that fits the required mood and vision of the client.

Our Architects are adept at creating space with social meaning. They are trained to see the big picture, get the detail right and keep a wide range of users in mind.

Subtle and distinctive planting and the careful craftsmanship of materials can really reinforce both a sense of place and a sense of belonging to the client.





# Public Gardens

The identity of a place is defined by its character. Good place making is achieved through reinforcing heritage and character, with locally distinctive patterns of development, landscape and culture, combined with a strong vision for the area.

Public Gardens have a significant impact on how settlements form.

SDT International's professionals read natural and man-made features, and understand the land's past, how it functions and how it is perceived. They also understand what places will look like in the future and help to make healthy and happy communities.

One of the most important aspects of Public Gardens design is its influence on quality of life and social interaction.





# Projects by SDT International

Through the years SDT International has successfully worked on several high-end projects, delivering perfection in the work and satisfaction to the clients.





## LEBANON



## BEIRUT GARDEN RESIDENTIAL



LEBANON



**HABTOOR LAND  
RECREATIONAL  
&  
LEISURE**











**SERVICES DESIGN TECHNOLOGY International**

## About SDT

SDT international was established in 1991 as an engineering consultancy company that provides comprehensive range of services in the Structural, Mechanical, Electrical, Infrastructure design, and Environmental studies.

For the past 22 years, we have been a pioneering force in the planning, design and implementation of development projects in the Middle East, UK and Australia.

With six offices in six countries, we employ high caliber specialized engineers capable to apply innovative approaches to design and deliver practical and cost effective solutions.

**UK . Lebanon .KSA.Qatar.Dubai. Australia**

[www.sdtconsultant.com](http://www.sdtconsultant.com)