



SERVICES DESIGN TECHNOLOGY International



Lighting Services



Our Lighting Team

The lighting team of the firm is supported by technologists not only in the area of electrical engineering but also in industrial design, day lighting, communication engineering, photo voltaic engineering, electronic security engineering, energy conservation, solar energy and many other specialist technology disciplines.

Our experience in specialist lighting projects is extensive and includes: External design for building facades, street lighting, parks and gardens, malls and squares; Strategic planning for commercial and industrial site developments, Internal design for industrial and commercial premises, hotels, museums, retail centres, hospitals, schools and entertainment complexes; Our understanding of the tasks involved with Lighting extend beyond the need to “just light” the area, but to consider the space in context with issues such as functional components, human interface, long term durability of the installation, safety, amenity, etc.



Range of Lighting Disciplines

- **ARCHITECTURAL LIGHTING**

Interior: Commercial, Institutional and Residential
Museums, Hotels, Offices, Healthcare

Exterior: Monuments and buildings
Landscape lighting, Sports lighting

- **URBAN AND STREET LIGHTING**

City master plans, façades, Highway and Street lighting

- **VALUE ENGINEERING AND DESIGN REVIEW**

- **LEED CERTIFIED LIGHTING DESIGN**

- **COORDINATION OF LIGHTING SYSTEMS WITH OTHER BUILDING SERVICES**

- **COMPUTER GRAPHICS**

Lighting impression rendering
3D Photometrically-true lighting simulation





Conceptual design, technical detail

Working closely with architects at all stages of a project, SDT's lighting specialists provide original and valid conceptual design.

We understand the interplay of structural form and lighting, and work with architects and artists to provide original conceptual designs. Our technical knowledge ensures that concepts become viable solutions.

We also know how lighting affects people at work, at home, at school and at play. This equips us to shape solutions that are as positive for people as they are sustainable for the environment and for businesses.

SDT helps clients think about lighting strategically – whether their goal is to use the visual and emotional impact of light to strengthen brand experiences or to lower carbon emissions and save on energy bills.





Natural lighting



Great lighting design also relies on using natural light effectively



SDT Lighting is a market leader in daylighting

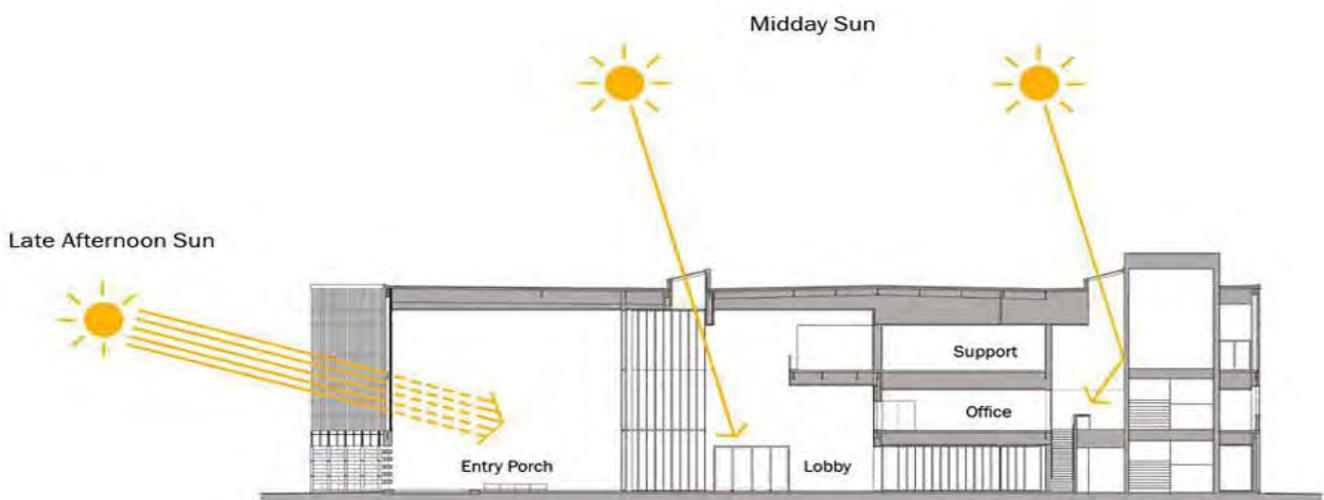


Its specialists work with architects to understand how natural light is distributed through building geometries, and how it reflects and diverts in different colors and materials



Day-lighting Design

Natural light can enhance architecture, improve the way people feel and reduce our reliance on electricity. SDT is an acknowledged leader in daylighting – our team brings together the best in creative and scientific thinking.





Facade Lighting

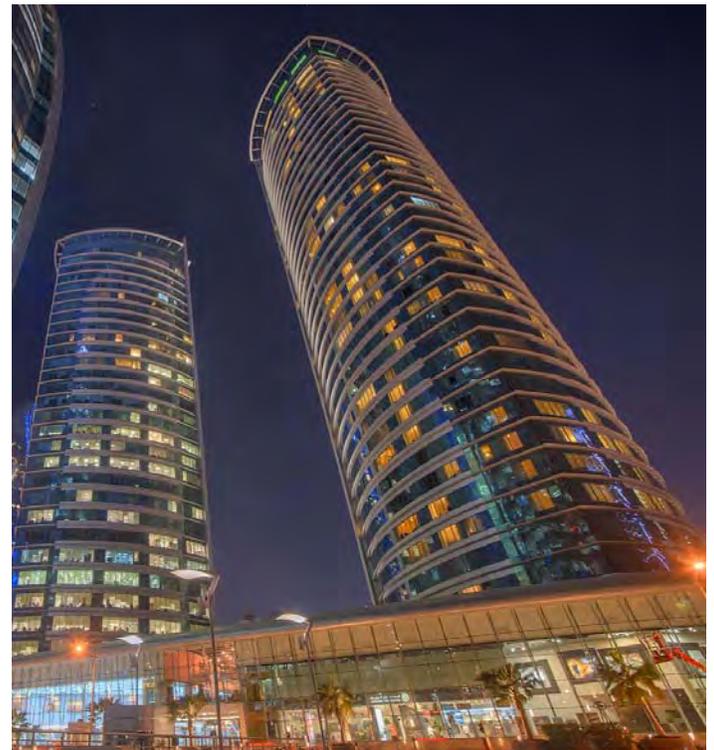
The number of buildings that have illuminated façades is increasing rapidly.

Because of architectural, societal and technological changes, lighting design faces new challenges. Saving energy is an omnipresent challenge, façade lighting must therefore get to grips with environmental compatibility issues.

Light that is not properly directed onto a façade is perceived as distracting and an unnecessary waste of light.

SDT is determined for optimization of architectural lighting solutions. The ultimate goal is obtaining the best possible efficiency from impressive lighting.

Good energy efficiency in another distinctive characteristic of professional lighting concepts.





Street/Highway Lighting

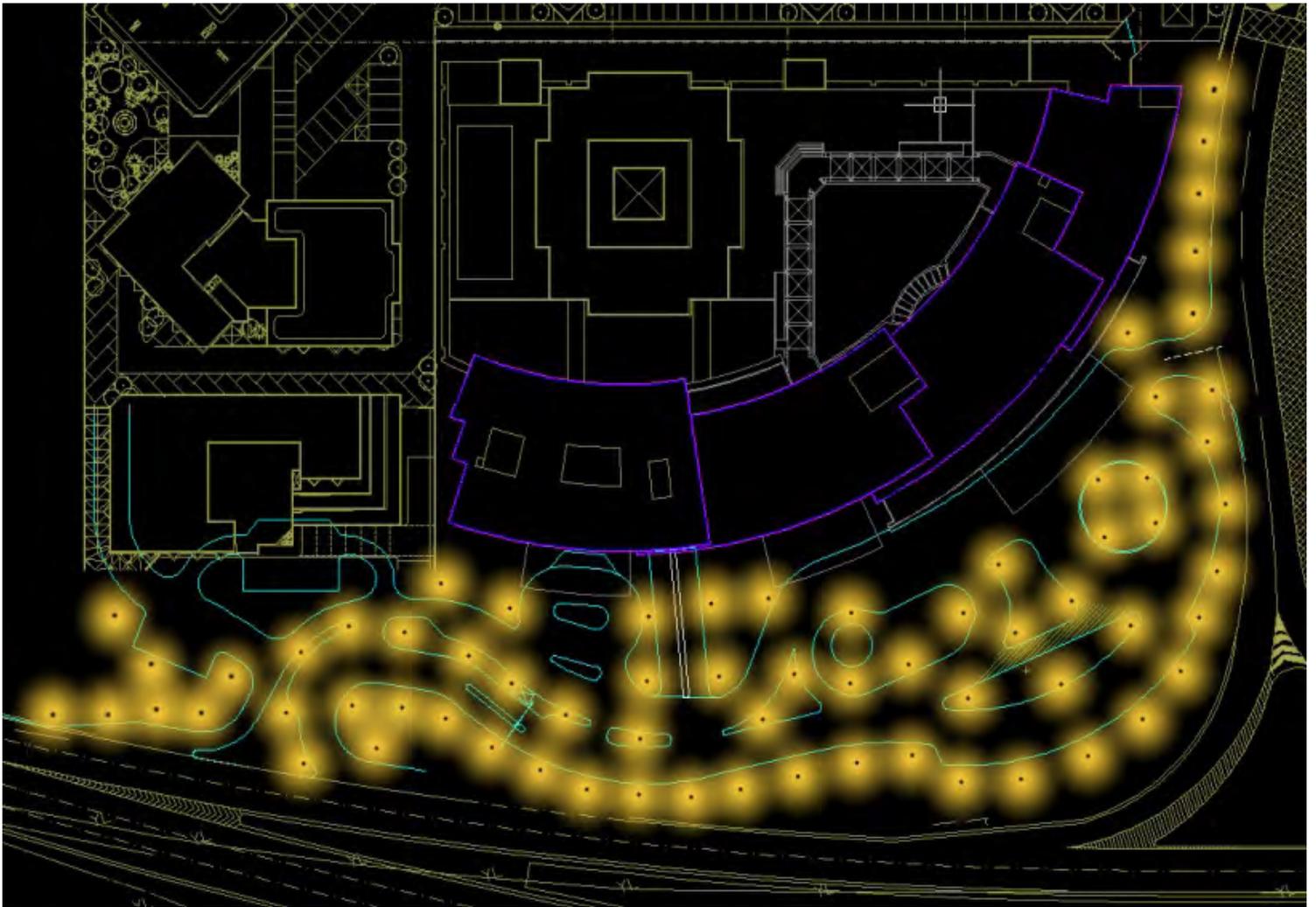
At SDT we produce comprehensive street/highway lighting designs that are tailored specifically to meet the individual needs of each of our clients, including taking our street lighting design as per the local standards and regulations.

We can offer Designers and Consultants who have been involved in the lighting industry for over 20 years and have experience in most disciplines within the lighting industry around the Middle East region and UK.

Our extensive range of street lighting design services are delivered to a number of different types including:

- Housing/Camps Developers
- Property/Land Developers
- Local Authorities to Civil Engineering Consultants
- Architects and Landscape Architects
- Road Intersections
- Highways
- Highway interchanges
- Tunnels





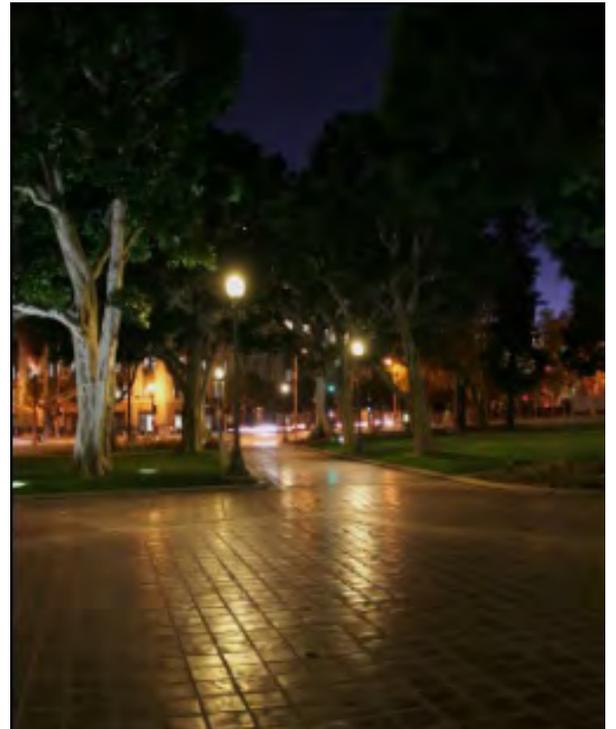
Landscape Lighting

We at SDT also specialize in landscape lighting design, exterior lighting designs, and specialty garden lighting.

We focus on making the exterior mood beautiful through a mix of architectural lighting and landscape lighting . We will use various types of unique area lighting and accent lighting within the landscape to bring out the finer architectural and plant details that usually are not as prominent during the day.

We use a combination of passive and active security lighting techniques to greatly increase security, while still maintaining a beautiful night lighting scene.

Our specialized knowledge protects our client's outdoor lighting investment by providing a beautifully designed, energy efficient and low maintenance landscape lighting system that will last.





Carpark Lighting

Within the Middles East region there are 1000's of exterior and open car parks used for residential houses and commercial shops.

The majority of exterior car parks will have some kind of lighting the ensure safety for the drivers and encourage the use of them at night.

Car park lighting enhances the outside parking zones, making them not only safer but more pleasant to use.





Our Approach

Function

- Understanding & meeting the functional requirements of a space
- Straightforward operation
- Manageability
- Ease of servicing.
- Reliability in operation
- Meeting special needs of environment or application
- Flexible solutions.

Sustainability

- Daylight design for human comfort and low energy use
- Energy efficiency in design
- Integration with renewable energy technologies
- Long term impacts of materials for low embodied energy, safe disposability and ease of recycling
- Latest R&D and government initiatives

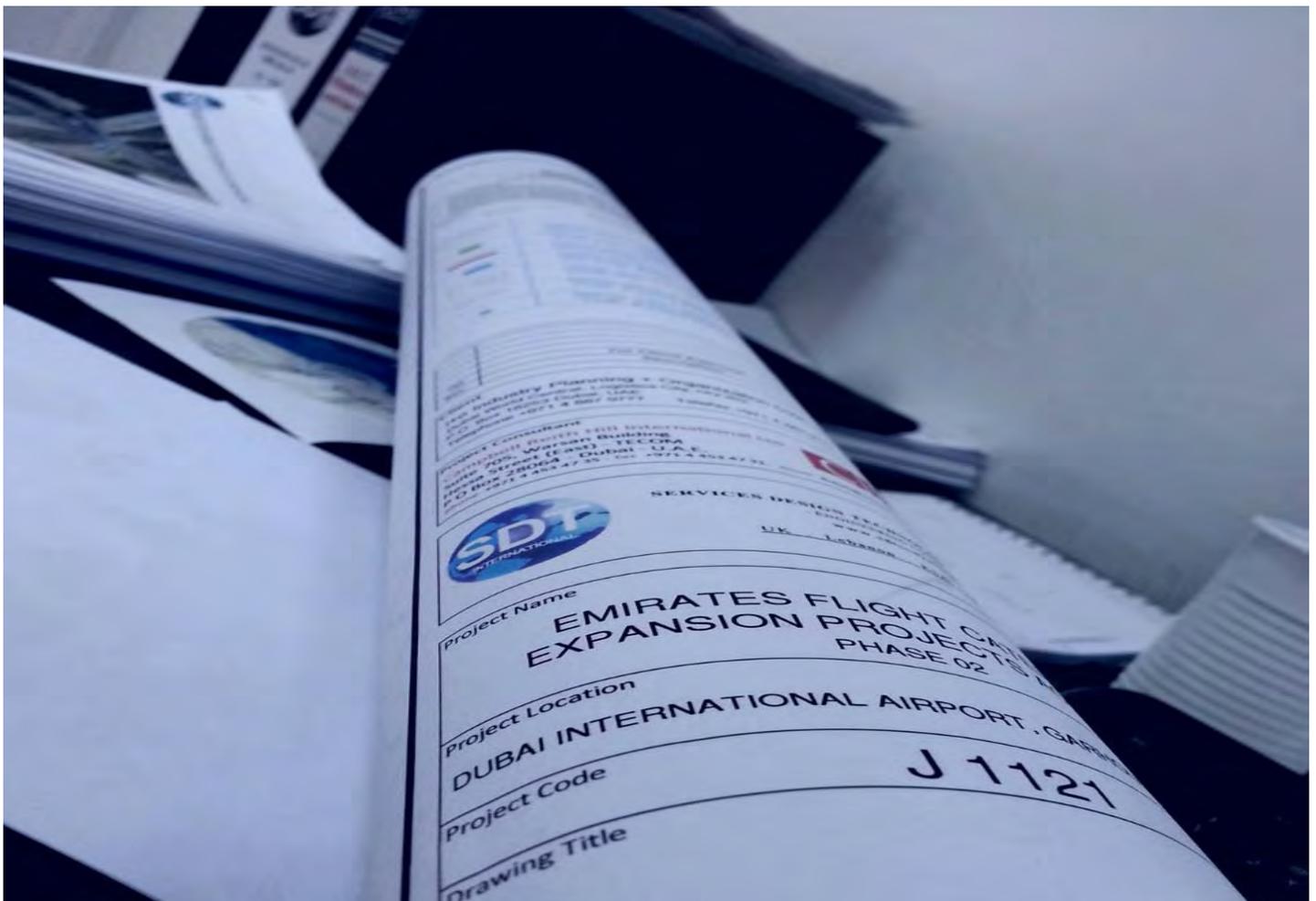
Aesthetics

- Architecture of a space
- Image & lifestyle
- Connection between light, colour & materials
- Emotional and psychology of response
- Imagination, intrigue and illusion
- Balance between light & shadow



Why SDT lighting

- **We understand new technology.** We're up to date with the latest lighting technology and advancements. We understand the importance of LED lighting and when it can most effectively be executed in your lighting options. We'll tell you honestly when it won't work and when it will and offer the optimal solution.
- **We're technical and practical yet highly creative.** While we're technically brilliant lighting specialists offering practical design options, we're also artistic and creative which means your lighting solutions are beautiful yet functional.
- **We have international know-how.** Our work is inspired by international best practice and global projects. Many more international inspirations mean you get the most innovative result.
- **We meet your deadlines and budgets.** Everyone says it, but we actually deliver. We have a track record of delivering on time and on budget. We do what we say we will, when we say we will. You can count on us.
- **We're 100% client focused.** Your clients are our clients. We think about your tenants and guests every time we work on your project. Their experience drives our design.



Lighting Projects

- Sheikh Rashid Bridge, Dubai
- Salata Hilton Facade Lighting, Qatar
- El Rashid Hotel & Residential towers Facade Lighting, KSA
- Aya Tower, Beirut - Day Lighting Study (LEED)
- 5-star Fairmont Hotel and Resort total redesign, Abu Dhabi, UAE
- Al Ain Mall & Resort lighting concept, UAE
- Al Ghurair City II Complex, Dubai, UAE
- Al Hugayet Tower, Al Khobar KSA
- Audi Bank Façade lighting, Dbayeh
- Beirut City Lighting Master Plan, Beirut
- Empower Headquarters, Dubai
- Hotel & Resort Complex, Yemen
- Hotel Amarante El-Nile, Cairo
- Jabal Al Kaaba Hotel Complex - façade lighting
- Jabal Al Kaaba Hotel Complex– Value Engineering & Design Review
- Jabal Omar (ten tower complex)
- Jumeirah Palms Complex, UAE
- King Abdallah Monument Park (KSA)
- Kuwait University Colleges of Art and Education
- New Bahrain Airport Terminal
- New Karbala International Airport
- New US Embassy compound in Baghdad (360,000 square meters land development)
- Novotel Ibis Complex, Fujairah
- Princess Nora University, Riyadh, KSA
- Private mosque and Islamic center – Sultanate of Brunei
- Ocean Heights, Dubai (façade lighting, concept design only)
- Saraya Aqaba Landscape Lighting
- Saraya Islands Resort, Ras Al Khaimah, UAE
- Saraya R14 Tower façade lighting, Abu Dhabi
- Thuwal Fisherman's Port Complex, Jeddah KSA
- Toyota & Lexus Car Showrooms in Muscat, Oman
- United Square multi-use 3-tower complex, Abu Dhabi, UAE
- New Karbala Airport (concept design)
- New Bahrain Airport
- Princess Nora University (23,000 students), Riyadh – LEED Gold
- Lebanon National Library in Sanayeh – LEED Silver
- Bank Audi new Dbayeh branch
- Residential block facing AUB (Beirut)
- Complex demo showroom for automation products (Solidere district, Beirut)

Note: Project list sorted alphabetically for projects after 2005



About SDT

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

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

With five offices in five 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



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Appendix A – Our Previous Projects



EL RASHID HOTEL &
RESIDENTIAL TOWERS

DAMMAM, KSA

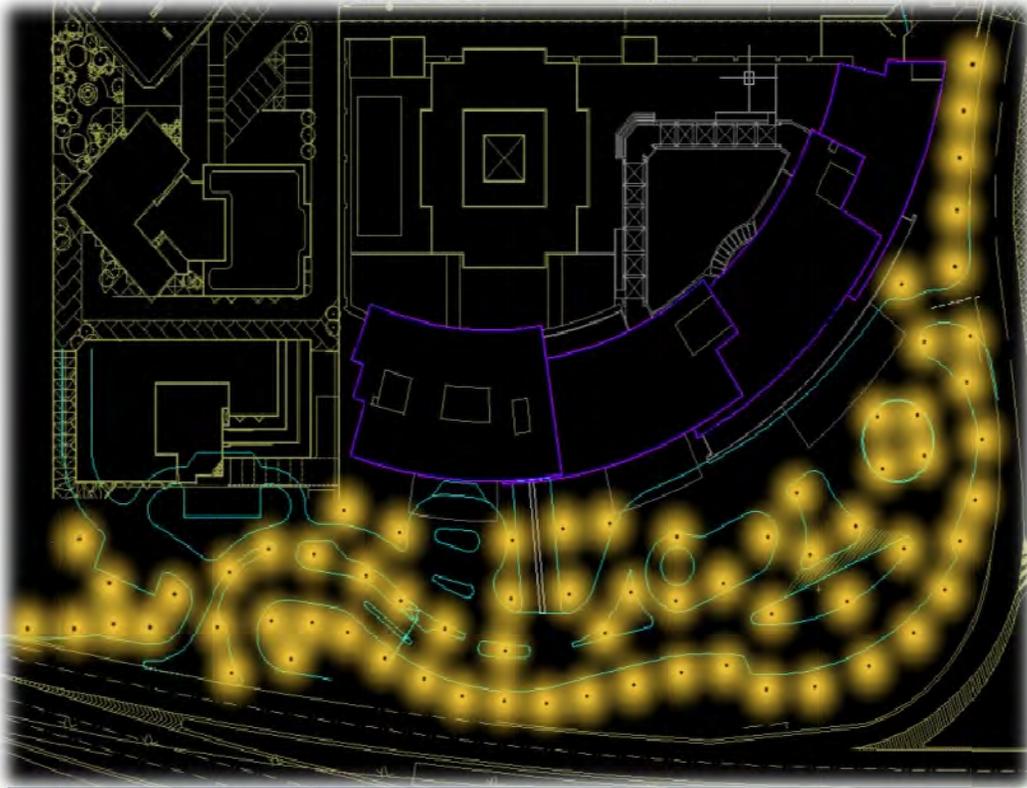




SHIEK RASHID BRIDGE

DUBAI





EL RASHID HOTEL,
LANDSCAPE CONCEPT
LIGHTING

DAMMAM, KSA





PONT SUR LA VILIANE
RENNES, FRANCE





MINISTERE DE L'OUTRE
PARIS, FRANCE





HILTON HOTEL

QATAR



SERVICES DESIGN TECHNOLOGY INTERNATIONAL

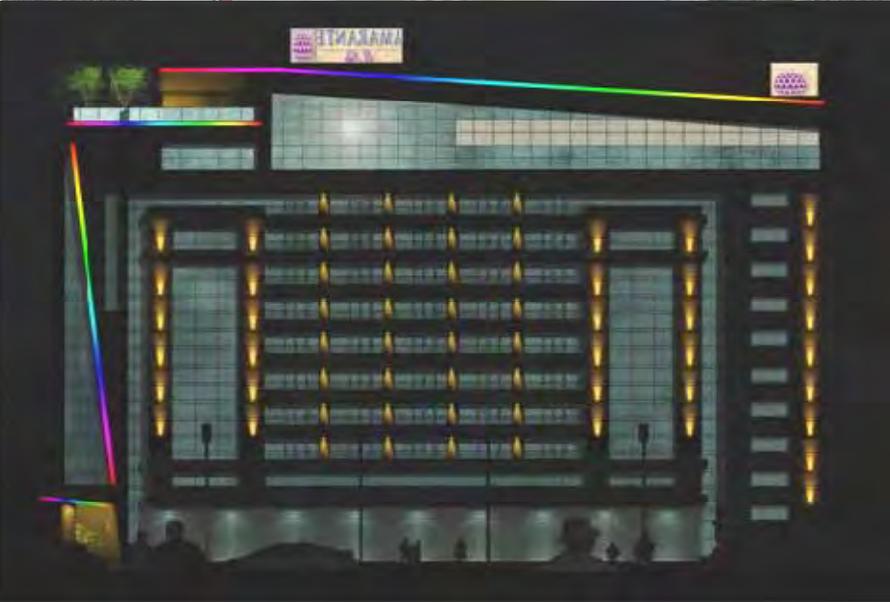


NOVOTEL – IBIS

FUJAIRAH



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AMARANTE EL NILE

CAIRO, EGYPT



SERVICES DESIGN TECHNOLOGY INTERNATIONAL



PRIVATE MOSQUE &
ISLAMIC CENTER

SULTANATE OF BRUNEI



SERVICES DESIGN TECHNOLOGY INTERNATIONAL



SOFITEL EL GEZIRAH
CAIRO, EGYPT





US EMBASSY COMPOUND

BAGHDAD



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EMPOWER
HEADQUARTERS

DUBAI



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AL FARDAN TWIN
TOWERS

DOHA, QATAR



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FOCH 126 CORPORATE
HEADQUARTERS

BEIRUT, LEBANON



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NORTH EAST BIRD EYE VIEW



MAIN ENTRANCE VIEW



SCHEMATIC SECTION

AOOA BEACH





FUJEIRAH HOTEL & RESORT





JUMEIRAH PALMS FIVE-STAR HOTEL

PALM ISLAND, DUBAI



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JUMEIRAH PALMS
RESIDENTIAL COMPLEX

PALM ISLAND, DUBAI





T.E.O. OFFICE BUILDING

DUBAI



SERVICES DESIGN TECHNOLOGY INTERNATIONAL



UNITED SQUARE MULTI-USE COMPLEX

ABU DHABI



SERVICES DESIGN TECHNOLOGY INTERNATIONAL



WEST BAY HOTEL &
RESIDENTIAL TOWERS

DOHA, QATAR



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SAADIYAT BEACH
MOSQUE

U.A.E.



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