

CORE GREEN BUILDING CONSULTANTS (CORE GBC)









"Sustainability involves reconsidering traditional modes of thinking and considering new business model where energy, information and building technologies converge"

CORE GREEN BUILDING CONSULTANTS

We are a strategic advisory firm aimed at directing business leadership toward sustainability.

Our leadership has worked on deep green projects and research in every sector of the economy and in virtually every LEED® rating system available.

We believe in a holistic approach to sustainability. It is a fine balance between education, mentoring, compliance (LEED® consulting), operational expertise, and marketing.

The firm is structured with a group of experts from diverse areas of service. Our partnership has been collaborating together for nearly a decade bringing a wealth of consulting experience to the firm. We are committed to trend setting leadership in a variety of market sectors and service offerings.

Sustainable, innovative, and client-focused services are the cornerstone of our firm and inform all our projects.



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CANADA JORDAN SAUDI ARABIA UAE

CANADA 1.0 CORE GBC

1.1 OUR VISION

"COMPAINES CAN STOP APPROACHING SUSTAIABILITY AS A RISK MANAGEMENT ISSUE AND BEGIN VIEWING IT AS AN OPPORTUNITY AND COMPETITIVE ADVANTAGE TO BE INTGRATED INTO EVERY ASPECT OF THEIR BUSINESS."

SUSTAINABILITY CONSULTANTS

We can play a vital role in accomplishing this goal. We help organizations turn this changing mind-set into opportunity programs that enable people to build new relationships with sustainability and energy consumption. We consider how companies perceive and utilize energy and help clients to use this to develop better services, products and experiences.

For us it is particularly clear that sustainability and business success belong together and further it is an investment in society. Our objective is to integrate sustainability into a company's day-to-day operations and to make it part of the way you do business. Implementing change involves addressing sustainability and energy questions.

Energy Monitoring and Management Strategy explores engagement programs emerging technologies, monitor energy consumption and exploring strategic alliances.

1.2 THE WAY WE WORK

" WE BELIEVE THE BEST BUILDING COMES FROM A SYNTHESIS OF DESIGN AND THE SERVICES THAT ALLOW IT TO FUNCTION TO ITS FULLEST POTENTIAL "

To undertake complex projects Core GBC needs a depth of resources. Core GBC has a highly talented base team and management board, situated in Vancouver Canada, Amman Jordan, Saudi Arabia and UAE lending each project a "local presence".

Achieving LEED certification or any other sustainability goal can be a major accomplishment, but it's just one step in a long-term process. Once sustainability is understood and accepted as an operating philosophy discussion about product certification, water reclamation, or any other sustainability can be approach evaluated for their contribution to the overall goal: a more sustainable future.

1.3 OUR TEAM

"WORKING IN CLOSE COOPERATION WE CAN LEARN FROM ONE ANOTHER AND GROW IN COMBINED KNOWLEDGE ALL TOWARDS THE DELIVERY OF A BUILDING CALIBRATED TO OPERATE IN HARMONY WITH ITS ENVIRONMENT."

This process takes place under the direction of the management board, which review the output in relation to the original brief and any changes agreed during the course of its development.

Our firm has a broad range of engineers, architect, sustainability and LEED experts, energy modelers along with a specialist skills that are used to serve clients in an array of public and industry sectors including: Buildings, Towers, Technology and Telecommunications Industrial Plants, Transportation, Environment Water and Wastewater, Land Development, Energy and Power.

Our expertise is amplified by a strong commitment to the clients we serve; a high degree of personal service, coupled with respect for the precious resources of cost and time, define how we approach our clients. We continually develop our portfolio of knowledge and capabilities in order to provide a superior and comprehensive commissioning service to our clients.

Our firm employees have 20 years of experience in sustainability and the construction industry .

Our team includes LEED Faculty, LEED Fellows and subject matter experts on most LEED credits in addition to WELL and all other Sustainability and rating systems.



CORE GBC

2.0 CORPORATE PROFILE

To undertake complex projects Core GBC needs a depth of resources. Core GBC has a highly talented base team and management board, operating in the Middle East and in North America, lending each project flexible and dedicated field team.

We support public and private sector clients in a diverse range of markets at every stage, from the initial conceptualization and financial feasibility study to project completion and beyond.

Our firm has a significant focus on; building infrastructure design, Sustainability and LEED® consulting, Commissioning, Building Code and Life Safety, Building Science and Envelope, Communications, and environmental site services that is reflected in our staff and project experience. We deliver both specialist consulting and traditional design services on the full range of industrial, institutional, commercial, residential and related facilities.



SERVICES

3.0 CORE GBC SERVICES

Our Sustainability services team has a wealth of international building experience in Canada, the United States and the Middle East. Our firm employees have 20 years of experience in sustainability and the construction industry.

Our team includes LEED Faculty, LEED Fellows and subject matter experts on most LEED credits in addition to WELL and all other Sustainability and rating systems.

Our services include:



5.1 Sustainable Design and Construction

Sustainable design shares that big-picture view of how our choices affect more than the present. Effective sustainable design is a comprehensive approach to selecting and integrating products and processes that account for long-term consumer satisfaction and environmental conservation. Seeing sustainable design as a process empowers "green" designers to better evaluate and anticipate the environmental, economic and social impacts and costs of building products. Bigger-picture evaluations at the start of a project lead to better long-term decisions—and that leads to greater overall success.

We have long promoted sustainable solutions through integrated thinking by bringing together all the building designers and technical specialists needed to shape a new building or retrofit an existing building.

We believe that it is only by considering the total building design that we can create buildings that are efficient with resources, affordable to build and operate, good to inhabit and appropriate to their context.

At Core GBC, we consider how all elements of a building's design work together to meet the needs of its owners, occupants and environment.

On the other side Core GBC provides sustainable solutions and ideas for green construction to help contractors and clients reduce their carbon footprint and consume less energy, we also offer a full range of services to comply with LEED construction prerequisites and credits to help our clients achieve their goals and contribute on saving our planet.



5.2 Green Building Certification

We help our clients evaluate what rating system best meets their needs while informing their scope of work and identifying opportunities. Green building ratings have increasingly become a requirement for new and existing facilities, but owners and facilities managers may not understand the implications of pursuing one rating over another. Assessing the potential benefits and disadvantages of various rating systems within the parameters of current and future projects help align project goals with a rating system framework.

Buildings have a substantial impact on the health and wellbeing of people and the planet. Buildings use resources, generate waste and are costly to maintain and operate. Green building is the practice of designing, constructing and operating buildings to maximize occupant health and productivity, use fewer resources, reduce waste and negative environmental impacts, and decrease life cycle costs.

At CORE GBC, we provide a comprehensive range of services that helps the developers, owners and teams integrate sustainability requirements for individual certifications (LEED/ Estidama/ GSAS/ BREEAM) into their projects. The focal point of our services is that our specialists work on Value Engineering for integrating and implementing the green solutions.



5.3 Building Commissioning

Building Commissioning is the professional practice that ensures buildings are delivered according to the Owner's Project Requirements (OPR). Buildings that are properly commissioned typically have fewer change orders, tend to be more energy efficient, and have lower operation and maintenance cost. The documentation of the commissioning process provides the foundation for correctly benchmarking the baseline energy consumption of the facility. Today the role of the building commissioning authority has become a central component to the whole building design process as the built environment continues to include more complicated and interdependent systems and owners focus on energy efficiency to keep operational costs down.

Using our proven commissioning processes, our team is able to ensure that your new or existing facility operates at peak performance. Our knowledgeable staff of commissioning engineers perform a full evaluation of the systems. We help your projects achieve their performance goals. All projects need some level of commissioning to perform at their best. Commissioning assists in the delivery of a project that provides a safe and healthful facility; optimizes energy use; reduces operating costs; ensures adequate O&M staff orientation and training; and improves installed building systems documentation.

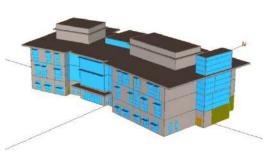


5.4 Sustainable Master Planing

Sustainability objectives are best met when they are integral to a Master-plan; considered from the outset rather than an afterthought.

Sustainable master planning allows us to delve into the very inner workings of a community to ensure it can efficiently support future generations. The places we help to shape are built not only to last, but to grow as your community grow.

We bring various tools to help clients define their environmental, social and economic sustainability objectives. Our master planning proposals are built on our insight into the way places influence wellbeing, work and lifestyle, as well as technical understanding of interconnected systems such as transport, energy, waste and information.



5.5 Energy Modeling and Simulation

Energy-modeling is the virtual or computerized simulation of a building or complex that focuses on energy consumption, utility bills and life cycle costs of various energy related items such as air conditioning, lights and hot water. It is also used to evaluate the payback of green energy solutions like solar panels and photovoltaics, wind turbines and high efficiency appliances.

Analyze energy upgrades to your building to help predict energy savings. Provide the documentation needed to qualify for energy credits in certification programs. Help you predict whether your building design will meet ENERGY STAR standards.

We use computer software that models a simulation of the building envelope, Our services include energy simulation modeling, plan reviews, and economic analyses of energy efficiency measures, dynamic simulation and analysis, daylight modeling and analysis and shading modeling and analysis.



5.6 Sustainable Strategy

We offer a comprehensive approach to sustainability strategies and high performance-built environments that consider energy, waste, land use, property value, productivity and health as key to a well-functioning building.

We identify resource trends and forecast how these trends will impact tomorrow. This includes looking at portfolio level impacts of sustainability investments, such as in energy conservation or carbon reduction measures, and the return on those investments. We developed an indepth analysis and guide that identifies specific, appropriate and feasible sustainable design and construction approaches offering a full-service sustainability strategy consulting dedicated to helping our clients drive innovation, uncover efficiency, increase profitability, and reduce their environmental impacts.



5.7 Building Performance and Energy Evaluation

Building performance is an attribute of a building that expresses how well that building carries out its functions. An energy analysis can identify the sources of problems that waste energy, create poor indoor air quality, or reduce the comfort in the structure. It provides recommendations for improving the quality of the structure, maximizing the efficiency of existing equipment, and other means for reducing energy, water and resource use and enhancing indoor environmental quality.

Our experienced team of Certified Energy Managers and Certified Energy Auditors, have carried out audits for ranging from ASHRAE Level I site walks to the most sophisticated investment grade audits, backed by whole-building energy modeling and measurement and verification studies.



5.8 Education and Training

Our firm has a long history of successfully integrating an organization's culture and brand into their physical space. Our team designs business and marketing collateral materials, packaging, sales tools, electronic communications and relationship management tools that are tailored to business objectives and bring to life, environmental mission and core values.

With a full range of expertise from USGBC faculty, WELL Faculty, LEED AP, LEED (BD+C, ID+C, O+M, Homes, ND, cities and communities) We know that teaching the technical knowledge and skills about sustainability design and construction, materials and technologies does not bring about change in itself without the whole systems knowledge, critical thinking, communication and collaborative skills to educate for a sustainable future.

We offer educational modules that help organizations to inform their staff, clients and peers on sustainability and gain a competitive advantage and leadership position. We have researchers dedicated to supporting advanced investigation in both buildings and ideas.

STRATEGY

4.0 MANAGEMENT SYSTEMS, STRATEGIES, SKILLS

Our experience has shown that continuous, positive communications are critical for the delivery of any project. The communications between all stakeholders are critical to project success that ongoing, clear, focused and prioritized communications are maintained.

We will ensure that our client has a single point of contact and will work to ensure that the communication channels are always open.

Successful projects result from successful project management. Successful project management results from good communication, proper organization, commitment to the cause, and sound core values and principles.

Our project delivery system is based upon the process noted above. This formalized structure of project delivery, and the resulting documentation program we have developed under each major task/step, provides a predictable and consistent project delivery.

Underlying all of the above is the continuous formal and informal communication that centers on the Team Lead. Regular formal CORE Team meetings are supplemented with ongoing communication of specific issues as they arise. The Team Lead will have a clear understanding of all issues as they occur. In any partnership, inter-company communication is critical to ongoing success. Good communication comes from a baseline of shared fundamental corporate culture and commitment to the underlying principles of client satisfaction and professional pride in the work delivered.



CORE GBC

4.0 PROJECTS

Core green building consultants have executed many projects in the GCC countries however we have included here some of the prestigious projects that we proudly been part of the team to deliver them.



KING ABDULLAH FINANCIAL DISTRICT (KAFD) LEED NEIGBOURHOOD DEVELOPMENT



KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

TYPE. NEIGBRHOOD DEVELOPMENT

AREA. 1.6 Hectare

RATING SYSTEM. LEED ND V3 (Platinum) SCOPE. LEED Consultant

Key Facts. 1- KAFD is the largest LEED ND Stage 2 Platinum certified project in the

world.

2- KAFD is second largest LEED ND project in Middle East.

3- KAFD is the third largest certified LEED ND stage 2 project in the world



DIYAR AL SALAM PROJECT



DIYAR AL SALAM RESIDENCE JEDDAH, SAUDI ARABIA

TYPE. RESIDENTIAL AREA. 550,800 sq.ft RATING SYSTEM. LEED NC 2009

SCOPE. LEED Consultant (Design + Construction)

Commissioning Authority



ROUTE 2020 DUBAI METRO PROJECT **7 - STATIONS**







ROUTE 2020 DUBAI MTERO PROJECT DUBAI, UAE

TYPE. METRO STATIONS
BUILDING AREA. 81,133 sq.m
RATING SYSTEM. LEED NC V4 (Gold)

SCOPE. LEED Consultant (Design + Construction)



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KAFD PARCEL 1.09 MUQARNAS TOWER,

SOM ARCHITECTS







KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

TYPE. OFFICE

BUILDING AREA. 107,154.7 sq.ft RATING SYSTEM. LEED CS 2009

SCOPE. LEED Consultant (Design + Construction)



HLA ARCHITECTS





KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

TYPE. MIXED USE
BUILDING AREA. 100,186.1 sq.ft
RATING SYSTEM. LEED CS 2009
SCOPE. LEED Consultation

LEED Consultant (Design + Construction)



BEHNISCH ARCHITECTS





KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

TYPE. MIXED USE
BUILDING AREA. 580,186 sq.ft
RATING SYSTEM. LEED CS 2009
SCOPE. LEED Consulta

LEED Consultant (Design + Construction)



GLENSLER ARCHITECTS





KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

TYPE. OFFICE

BUILDING AREA. 135,923.8 sq.ft
RATING SYSTEM. LEED CS 2009
SCOPE. LEED Consultation

LEED Consultant (Design + Construction)



GLENSLER ARCHITECTS





KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

TYPE. OFFICE
BUILDING AREA. 146,563 sq.ft
RATING SYSTEM. LEED CS 2009
SCOPE. LEED Consulta



CALLISON ARCHITECTS





KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

TYPE. MIXED USE
BUILDING AREA. 217,055 sq.ft
RATING SYSTEM. LEED CS 2009
SCOPE. LEED Consulta

LEED Consultant (Design + Construction)



FOSTER + PARTNERS ARCHITECTS





KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

TYPE. MIXED USE
BUILDING AREA. 432,747 sq.ft
RATING SYSTEM. LEED CS 2009
SCOPE. LEED Consulta



BRUDER ARCHITECTS



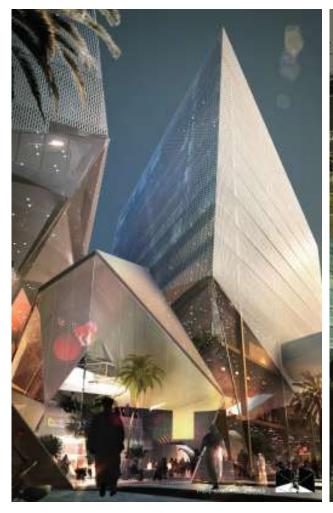


KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

TYPE. OFFICE
BUILDING AREA. 349,633 sq.ft
RATING SYSTEM. LEED CS 2009
SCOPE. LEED Consulta



HLA ARCHITECTS





KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

TYPE. MIXED USE
BUILDING AREA. 359,040 sq.ft
RATING SYSTEM. LEED CS 2009
SCOPE. LEED Consulta



PERKINS + WILL ARCHITECTS



KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

TYPE. MIXED USE
BUILDING AREA. 281,616 sq.ft
RATING SYSTEM. LEED CS 2009
SCOPE. LEED Consulta

LEED Consultant (Design + Construction)



RMJM ARCHITECTS





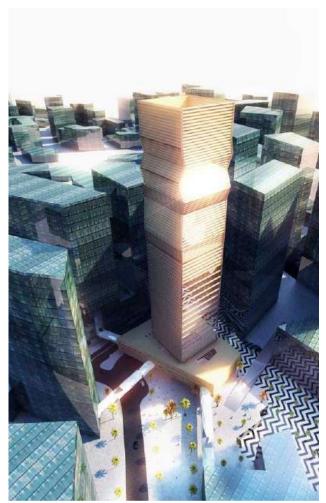
KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

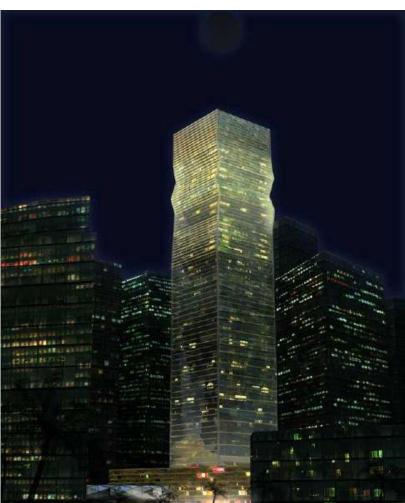
TYPE. MIXED USE
BUILDING AREA. 500,390 sq.ft
RATING SYSTEM. LEED CS 2009
SCOPE. LEED Consulta



PARCEL 2.13, VILLAS IN THE SKY

HENNING LARSEN ARCHITECTS





KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

TYPE. MIXED USE
BUILDING AREA. 430,879 sq.ft
RATING SYSTEM. LEED CS 2009
SCOPE. LEED Consulta

LEED Consultant (Design + Construction)



PARCEL 3.09

RTKL ARCHITECTS



KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

TYPE. MIXED USE
BUILDING AREA. 664,886 sq.ft
RATING SYSTEM. LEED CS 2009
SCOPE. LEED Consults



PARCEL 3.10

ADRIAN SMITH GORDON GILL





KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

TYPE. MIXED USE
BUILDING AREA. 389,266 sq.ft
RATING SYSTEM. LEED CS 2009
SCOPE. LEED Consulta

LEED Consultant (Design + Construction)



PERKINS + WILL ARCHITECTS





KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

TYPE. MIXED USE
BUILDING AREA. 166,317 sq.ft
RATING SYSTEM. LEED CS 2009
SCOPE. LEED Consulta

LEED Consultant (Design + Construction)



FOSTER AND PARTNERS ARCHITECTS





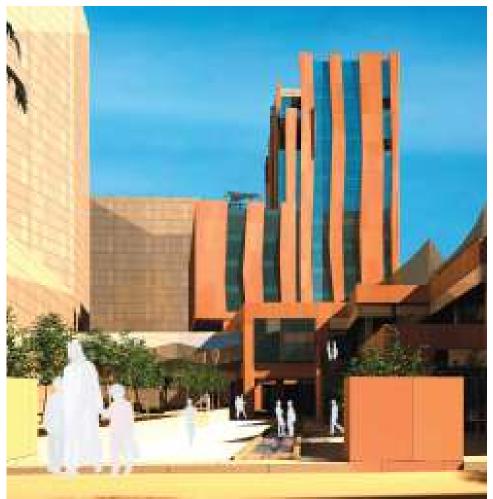
KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

TYPE. MIXED USE
BUILDING AREA. 148,800 sq.ft
RATING SYSTEM. LEED CS 2009
SCOPE. LEED Consulta

LEED Consultant (Design + Construction)



HLA ARCHITECTS





KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

TYPE. MIXED USE
BUILDING AREA. 231,715 sq.ft
RATING SYSTEM. LEED CS 2009
SCOPE. LEED Consulta

LEED Consultant (Design + Construction)



RMJM ARCHITECTS





KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

TYPE. MIXED USE
BUILDING AREA. 467,055 sq.ft
RATING SYSTEM. LEED CS 2009
SCOPE. LEED Consulta

LEED Consultant (Design + Construction)



GLENSLER ARCHITECTS





KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

TYPE. HOTEL

BUILDING AREA. 398,282 sq.ft

RATING SYSTEM. LEED NC 2009

SCOPE. LEED Consulta

LEED Consultant (Design + Construction)



FOSTER AND PARTNERS ARCHITECTS





KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

TYPE. MIXED USE
BUILDING AREA. 426,195 sq.ft
RATING SYSTEM. LEED CS 2009
SCOPE. LEED Consulta



RTKL ARCHITECTS





KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

TYPE. MIXED USE
BUILDING AREA. 794,744 sq.ft
RATING SYSTEM. LEED CS 2009
SCOPE. LEED Consults

LEED Consultant (Design + Construction)



PERKINS AND WILL ARCHITECTS



KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

TYPE. MIXED USE
BUILDING AREA. 387,726 sq.ft
RATING SYSTEM. LEED CS 2009
SCOPE. LEED Consulta

LEED Consultant (Design + Construction)



FX FOWL ARCHITECTS



KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

TYPE. MIXED USE
BUILDING AREA. 373,066 sq.ft
RATING SYSTEM. LEED CS 2009
SCOPE. LEED Consulta

LEED Consultant (Design + Construction)



CALLISON ARCHITECTS





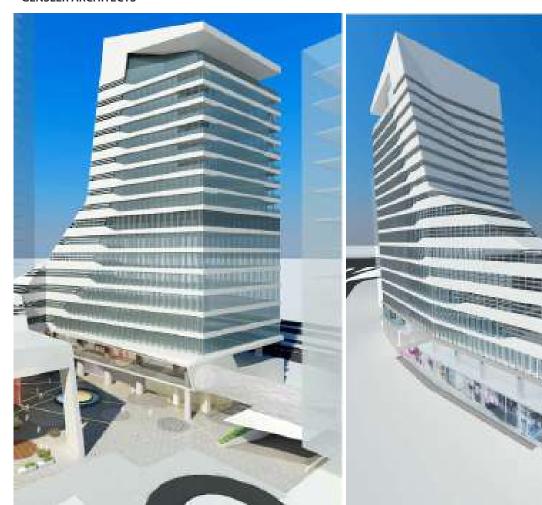
KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

TYPE. MIXED USE
BUILDING AREA. 326,060 sq.ft
RATING SYSTEM. LEED CS 2009
SCOPE. LEED Consults

LEED Consultant (Design + Construction)



GENSLER ARCHITECTS



KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

TYPE. MIXED USE
BUILDING AREA. 348,732 sq.ft
RATING SYSTEM. LEED CS 2009
SCOPE. LEED Consulta

LEED Consultant (Design + Construction)



HLA ARCHITECTS



KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

TYPE. MIXED USE
BUILDING AREA. 214,116 sq.ft
RATING SYSTEM. LEED CS 2009
SCOPE. LEED Consulta



ADRIAN SMITH GORDON GILL





KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

TYPE. MIXED USE
BUILDING AREA. 417,672 sq.ft
RATING SYSTEM. LEED CS 2009
SCOPE. LEED Consulta

LEED Consultant (Design + Construction)



SOM ARCHITECTS



KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

TYPE. MIXED USE
BUILDING AREA. 911,412 sq.ft
RATING SYSTEM. LEED CS 2009
SCOPE. LEED Consulta

LEED Consultant (Design + Construction)



FX FOWL ARCHITECTS





KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

TYPE. MIXED USE
BUILDING AREA. 995,479 sq.ft
RATING SYSTEM. LEED CS 2009
SCOPE. LEED Consulta



FOSTER AND PARTNER ARCHITECTS





KING ABDULLAH FINANCIAL DISTRICT RIYADH, SAUDI ARABIA

TYPE. HOTEL
BUILDING AREA. 483,675 sq.ft
RATING SYSTEM. LEED NC 2009
SCOPE. LEED Consulta



WE ARE PLEASED TO HAVE THE OPPORTUNITY TO SHARE OUR KNOWLEDGE AND PROVEN EXPERTISE IN ACHIEVING SUCCESSFUL GREEN AND SUSTAINABLE BUILDINGS.

TO ASK HOW WE CAN HELP YOUR COMPANY INCREASE REVENUE, REDUCE COST, OR MANAGE RISK THROUGH EFFECTIVE STAINABILITY STRATEGIES, CONTACT:

www.coregbc.com

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