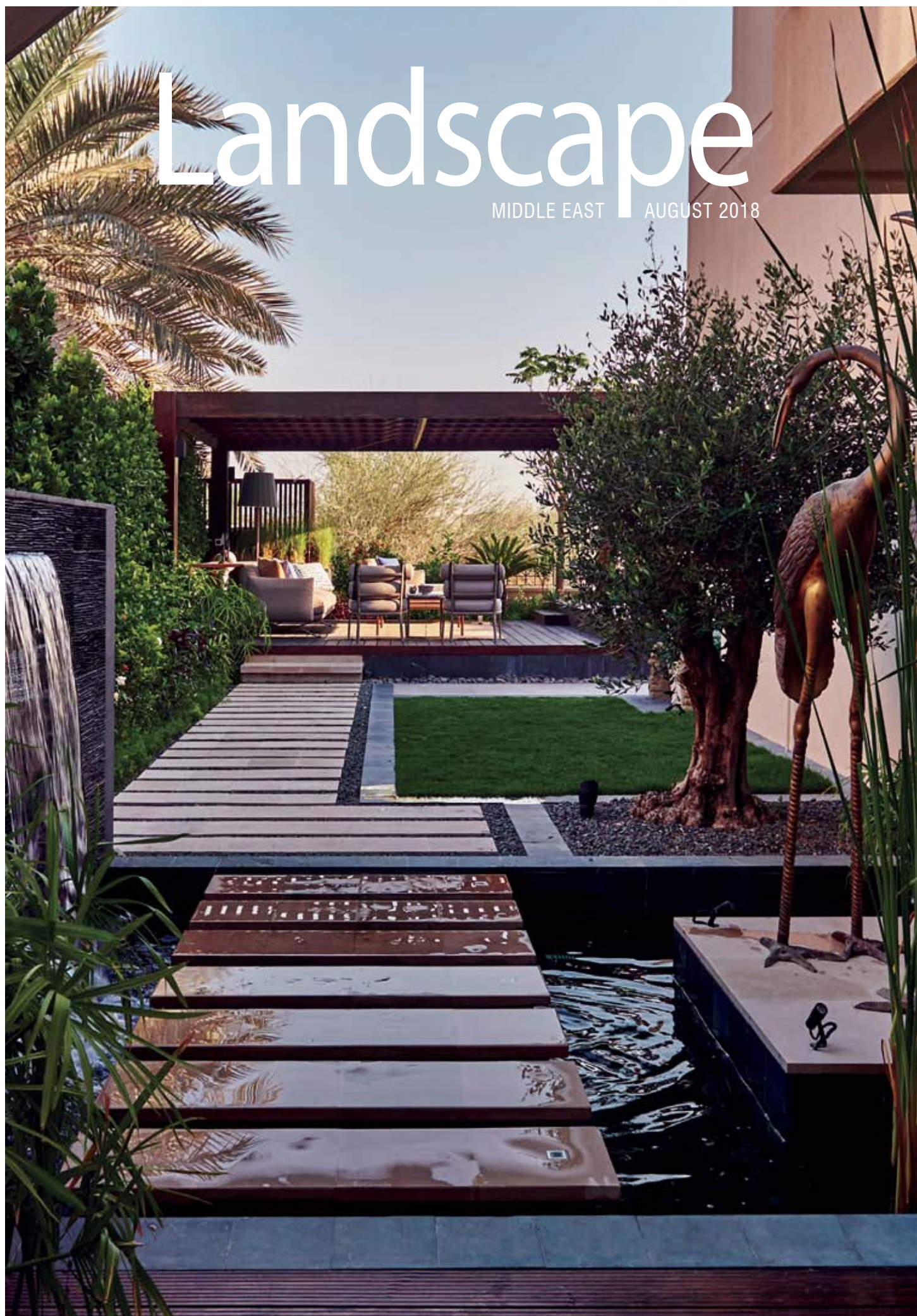


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EDITOR'S NOTE

In this issue,

While the Middle East is experiencing extreme heat, the rest of the world is basking in more pleasant climes at this time of year. Our August issue explores some of the most innovative landscape projects dotted around the world that have been designed to reflect their sense of place. From one of Singapore's tallest towers in the financial district reflecting the city's tropical nature to Patagonia's cooler soils that cultivate the ideal conditions for producing grapes and hops. (See page 32 and page 44)

This issue also explores the surroundings of Abu Dhabi's newest mosque and Dubai Wharf green wall built by Dubai properties. (Page 40) We also meet one of Dubai's most reputable landscape architects Sejal Najgee. (page 36).

We hope you enjoy the issue and if you're travelling please take time to visit some of the unique projects that we have featured throughout the year.

I hope you enjoy the issue.

John Hampton

The opinions and views contained in the articles in this publication are those of the contributors and not necessarily of the publishers. The publishers cannot be held liable for any mistake or omission enclosed in the publication.

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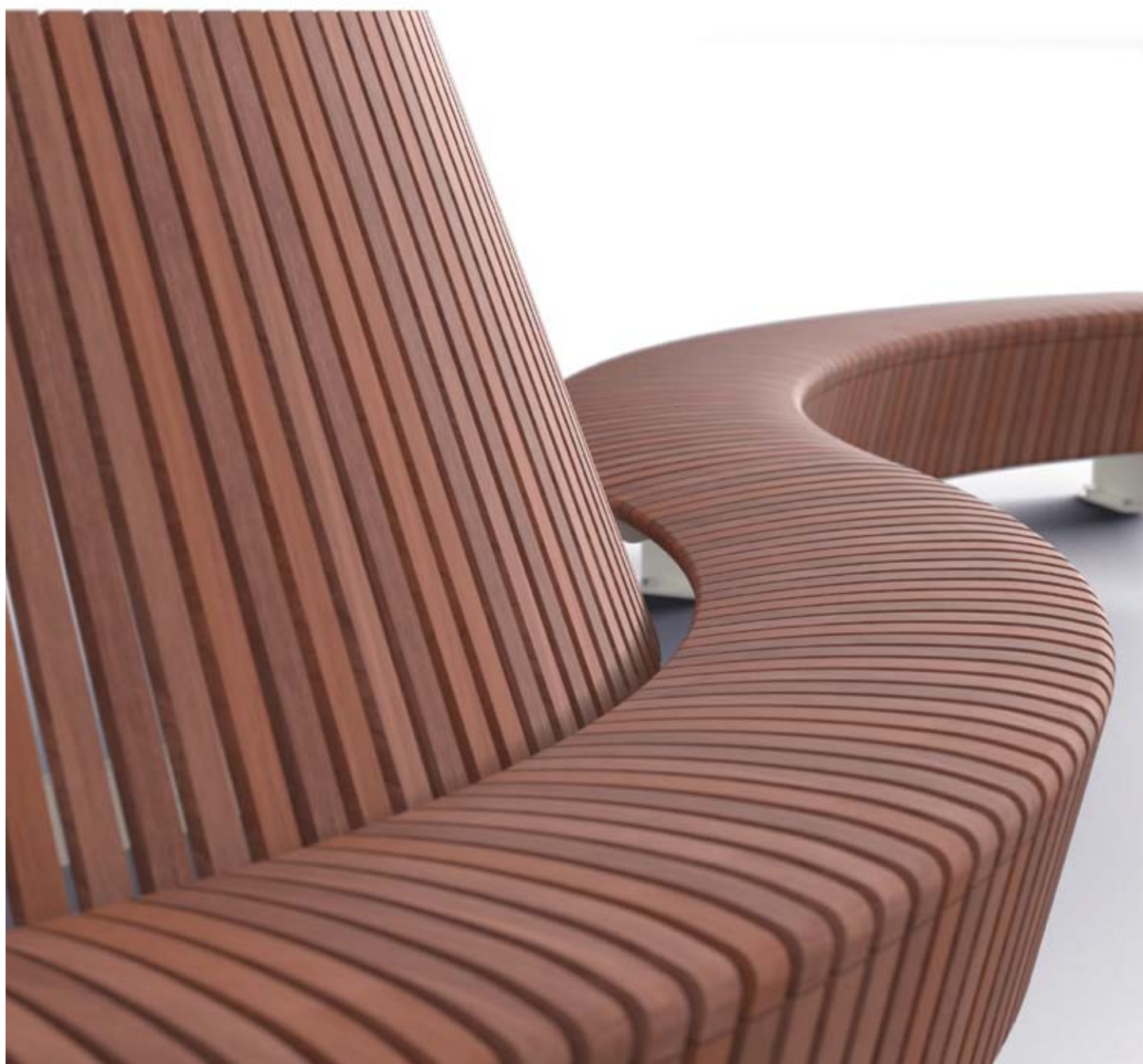


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During Al Hajiri's visit
to Warsan Nursery

Warsan Nursery
produces 47.11 million
saplings in 2017



Al Hajiri directs planters to increase city greening

Dawood Al Hajiri, Director General of Dubai Municipality on Thursday visited Warsan Nursery, which is one of the vital projects of the Municipality. The nursery contributes to the expansion of the green area in the Emirate and the country by providing millions of seasonal and sustainable flower saplings and takes care of them as per the highest international and innovative standards in this area.

The visit, part of the Director General's follow up of the service projects implemented by the Municipality, was aimed to know the work progress and practices applied in the nursery and its facilities and the services provided there.

During the visit, Al Hajiri toured the area of flowers, trees and points of sale, as well as the advanced device in the nursery, which converts plant waste to useful fertilizer, which contributes to the sustainability of the provision of agricultural materials that feed plants in the nursery.

"Our interest in the nursery comes within the scope of our belief in its positive and important dimensions and its pivotal and pioneering role in the agricultural field in the Emirate, which is in line with the Government's wise directives to take care of the urban and environmental achievements and its role in making Dubai the city of cultural diversity," he said.

Al Hajiri pointed out the importance of keeping pace with developments and innovations to contribute to the promotion of Dubai's status within the world cities as a green city characterized by the beauty of the cultivated areas, which gives its facilities a spectacular and attractive cultural landscape to be like a beautiful painting.

He directed the planters to continue to contribute to increasing greening and landscaping in the city and its streets and parks and the invention of advanced methods, systems and technologies to achieve the strategic environmental objectives of the project.

The nursery provides various agricultural services such as the sale or rental of vases for external and internal beautification, and the service of coordinating and growing vases with indoor and outdoor plants, providing the structures for the formation of trees, shrubs and

vegetable fences and the sale of hundreds of varieties of flowers, trees and shrubs.

The nursery also contains a number of integrated facilities such as greenhouses, shaded areas, soil and water laboratory, prevention laboratory, tissue culture laboratory, germination rooms, regular and refrigerated stores, and an integrated training hall.

The Public Parks and Horticulture Department of the Municipality currently has five nurseries at Warsan, Mushrif, Al Safa, Al Mamzar and Saih Al Salam. These nurseries serve as the bank that ensures the provision of all plant needs for green spreading projects, and the implementation of agricultural maintenance and cultivation of seasonal flowers.

It also provides the necessary local environment plants for the afforestation projects and for planting reserves, forests and outer roads. The Department is keen to develop nurseries and increase the area of production on a continuous basis.

The current and future nursery projects include greenhouses, automated production systems, shaded areas for flower production, trees and shrubs, traditional plant production, flower testing area, plant showroom and sales hall, staff offices, multipurpose training hall, agricultural warehouses and agricultural beautification areas, as well as many agricultural laboratories such as Soil and Water Laboratory, Prevention Laboratory, Tissue Culture Laboratory and Seed Unit, which includes Seed Laboratory and Germination Chamber.

It is worth mentioning that the Nursery Division has achieved many remarkable achievements during the year 2017. Last year, the nursery has produced about 47,111,196 saplings of various plant varieties, collected and cleaned 788,043 grams of seeds of various species, planted 837759.9 grams of seeds of different plant varieties, processed and planted 2148504 different species of plants, prepared and processed 870154 flower plant saplings.

Warsan Nursery cultivates all the plants automatically, which used to be done manually. Earlier, the automatic cultivation was limited to flowers only. Now all manual irrigation systems for production have been converted into automatic irrigation sites.

New plant varieties have been introduced and the nursery is following up the extent of their resistance and adaptation to growth in the country. ■



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Dubai Municipality engineering exhibition: **Highlights importance of planning in sustainability and development**

Dawood Al Hajiri, Director General of Dubai Municipality, recently inaugurated an engineering exhibition entitled, "Planning an Effective Engine in the Development Wheel," organized by the Planning Department of the Municipality to highlight the importance of planning in the sustainability and development process in the Emirate of Dubai.

He inspected the designs presented by university students from around the world, who participated in the three-day international competition organized by the Municipality in cooperation with Saint-Gobain to present sustainable designs and ideas.

In addition to drawings and plans for sustainable urban designs, the exhibition included scientific lectures on sustainability and urban planning aimed at young engineers. It also included a debate on the views of young engineers on the basis of their views and perceptions. The Dubai Young Planners team in the Planning Department supervised the exhibition and the festival, with the slogan, "You Are a Planner in the Wheel of Development."

Eng. Najib Mohammed Saleh, Director of Planning Department, delivered a speech in which he discussed the role of the higher leadership of the Emirate in urging young people to be creative and innovative and also their strong concern for sustainability and development.

He also said that His Highness Sheikh Mohammed Bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, has always been telling the youth that "the future of the UAE is in their hands and they have to continue the march with great skill."

Saleh added that the UAE has accomplished many national, civilizational and humanitarian achievements and it has assumed a distinguished position among the countries of the world thanks to the directives of the wise government and many countries have followed and learned from its experience and development in all fields.

He pointed out that the most important achievement of the country is its young people, who are the future, and they have the responsibility to make their future and the future of the next generations and achieve goals and aspirations.



Dawood Al Hajiri, Director General of Dubai Municipality inaugurates engineering exhibition

Saleh called on the Dubai Young Planners team to continue innovation and creativity in order to achieve many of the national goals.

The first day activities included a session conducted by Dr. Nada Chami from Saint-Gobain, as well as a session on the Expo 2020 project, which dealt with the design and planning of the project and the elements of sustainability, in addition to the initiatives supervised by Expo 2020 in the field of sustainability and community involvement. Sustainability Specialist Eng. Aisha Al Marzouqi and Eng. Mohammed Al Shuwaihi, Director of Infrastructure and City Integration Department of Expo 2020 gave presentations.

The second day's sessions included presentation of innovative design projects by Ajman University students, as well as the activity, "Let's Talk Planning," which included discussions moderated by Dr. Nahla Al Qassimi, Dean of Student Affairs at Ajman University, with experts and planning specialists in Dubai Municipality to get the views of young engineers from government agencies and university students to know their opinions and solutions from different angles and perspectives as young engineers and planners.

This is in addition to the Dubai Map Competition, which aims to educate students about the sites and names of the regions, how to read the map of Dubai to determine the location and link to the region and the teacher, and the Who Said It? contest on the most famous architects and planners. ■

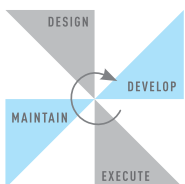


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With the first Urban Design & Landscaping Expo launching in November, Ahmed Bukhash calls for sustainable urban design across the city's growing outdoor spaces.

BEATING STEREOTYPES: DUBAI MOVES FROM INDOOR TO OUTDOOR



Ahmad Bukhash
Director of Urban
Planning at DCCA

Dubai is transforming. Open-air recreational districts like La Mer, Al Seef and City Walk are sprouting across the city, pulling residents out of air-conditioned shopping malls.

"Just because we have a very hot weather for half of the year, it does not mean that if we create well-designed spaces, people will not use them," says Ahmad Bukhash, Director of Urban Planning at the Dubai Creative Cluster Authority and speaker at the first Urban Design & Landscaping Summit in November.

"Recent developments in Dubai are proving that well-designed spaces offer perfect conditions for people to enjoy outdoor areas even in the summer months."

The new focus on urban landscaping goes well beyond recreational districts.

"Rather than just focusing on a building in its isolated self, Dubai's future developments will increasingly invest in urban design and interconnectivity," announces Bukhash. According to the DCCA's Urban Planning Director,

"It's time to scrap the stereotype of Dubai as a city living and breathing exclusively during the cooler months. Now the trend is changing."

Heat can be controlled with good urban design elements and building placement. Factors like the wind flow, the sun and the light must be taken into consideration in the planning phase, Bukhash explains.

"Electricity spend for air conditioning is huge in Dubai; cost must and can be cut down through proper urban and architectural design. Proper

design of outdoor public and shaded space can actually reduce the heat by 10 C°."

Urban design is therefore going to play a growing role in the development of the city.

"This vital paradigm shift will transform Dubai to become a walkable and accessible city all year round," Bukhash predicts.

Several projects like the latest ones developed by MERAAS are stimulating the demand to focus more on utilizing shading devices as well as high-end street furniture, hardscaping and softscaping materials in the UAE in order for the outdoor spaces to become an extension of the interior spaces.

From 26 to 29 November, the first Urban Design & Landscaping Expo (UDLE) will run alongside The Big 5 international construction show at the Dubai World Trade Centre.

The event will display the most innovative solutions for the construction and maintenance of urban and green spaces, sports grounds and playgrounds, from around the globe. The UDLE will also host the high-level Urban Design & Landscaping Summit on November 28, gathering some of the most prominent local and international experts in the field.

Josine Heijmans, Portfolio Event Director of UDLE, says: *"There's been no better time to invest in the urban design and landscaping sector in Dubai. We are excited to offer a brand new platform for industry professionals to connect, network, do business and learn. We are also extremely proud to support the further development of much needed green and outdoor spaces in the region,"* ■

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The Hotel Show Dubai gears-up for it's most all-encompassing event yet!

With just two months to go, here's 4 reasons to get excited...

The Middle East's leading hospitality event The Hotel Show Dubai returns this September – and organisers are promising its most hands-on hospitality experience to date.

Gathering more than 30,000 international decision-makers, the annual exhibition is the premier platform for the Gulf's ever-growing hotel industry, renowned for being the one-stop shop where GMs, buyers, restaurateurs and developers can get their hands on products for every element of their guest experience – from décor, furniture and in-room technologies, to F&B supplies, gym and leisure equipment, and everything in between.

Now in its 19th year, the mammoth show – which will be spread over seven halls at the Dubai World Trade Centre – will offer a 360-degree showcase of modern hospitality with a show that educates, celebrates and defines both the present and future of the industry in the Middle East.

At the heart of that will be a raft of interactive features, live competitions and discussion seminars that will give a platform to those who are the lifeblood of the hotel and tourism industry, from housekeepers and sous chefs to property owners and franchisees.

Taking place at the Dubai World Trade Centre, September 16th to 18th, here's 4 early reasons to get this year's show firmly in your diary...

The Middle East Leadership Conference

Taking place over The Hotel Show Dubai's three-day duration, the highly-influential talks will welcome a pool of more than 50 speakers, all of whom will be of General Manager position or above, making it the forum for hospitality-based discussion, debate and learning.



The Middle East Housekeepers' League of Champions

A simple yet thrilling live concept: a pair of typical hotel rooms – complete with bedding, curtains, flooring and entertainment facilities – are set-up back to back...then trashed! Two teams at a time compete head-to-head to put the room back to its original state in just seven minutes, with a knock-out competition whittling the predicted 30 entrants down to one eventual winner over three-days.

The Chef's Table

An on-site contest that'll really turn up the heat on the region's leading hotel kitchens! The Chef's Table will pit head chefs and their teams from 12 Middle Eastern hotels against each other in a timed cooking competition, where the ingredients won't be revealed until the countdown clock starts ticking. Sponsored by Carrefour and judged by four expert chefs, led by Chef Uwe Micheel, President of the Emirates Culinary Guild, each three-hour battle will see three full lunches and three dinner menus cooked-up daily. If you can't stand the heat...!

Huge number of attendees

Spread across sections dedicated to Interiors, Lighting & Design, Technology & Security, Operating Equipment, Bathroom & Sanitary Ware and HORECA, more than 600 exhibitor stands will fill The Hotel Show Dubai floor – with organisers expecting to welcome in excess of 30,000 visitors. By far the region's biggest dedicated hotel exhibition, the show offers unrivalled networking and business growth opportunities for anyone at any stage of their career in hospitality.

To find out more about The Hotel Show Dubai – visit www.thehotelshow.com



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Anne Whiston Spirn.

The international federation of landscape architects (ifla) announces the winner of the premier worldwide award in landscape architecture:

The IFLA - Sir Geoffrey Jellicoe Award 2018

The International Federation of Landscape Architects (IFLA), which represents the worldwide profession of Landscape Architecture, proudly announced today at a special ceremony at their World Congress in Singapore that American Landscape Architect Anne Whiston Spirn has been selected as the winner of the 2018 premier award for Landscape Architecture, the IFLA - Sir Geoffrey Jellicoe Award.

The Award Jury composed of a Landscape Architect from each of the five IFLA regions, and the Secretary General of ISOCARP (International Society of City and Regional Planners) and Aziza Abdulfetah, Chair of Landscape Architecture at EiABC, (Ethiopian Institute of Architecture, Building Construction and City Development), Addis Ababa University, who served as guest members of the Jury, agreed with the nomination statement, that "The reach of her work has been international and sustained and will likely influence the design and planning profession for years to come."

Professor Spirn has served on the faculties of Harvard University, the University of Pennsylvania (Penn) and the Massachusetts Institute of Technology (MIT). Currently, she is the Cecil and Ida Green Distinguished Professor of Landscape Architecture and Planning at MIT. At Penn, she succeeded Ian McHarg as department chair, not an easy act to follow. Professor Spirn was able to maintain and advance Penn's stature in landscape architecture, in part through significant hiring decisions. Throughout her academic career, she has had a reputation as an outstanding teacher and mentor. She is especially good at involving her students in challenging social situations, perhaps best exemplified by her continued engagement (both at Penn and later at MIT) in African-American neighbourhoods of West Philadelphia.

Professor Spirn's most significant writings are her books *The Granite Garden: Urban Nature and Human Design* (1984) and *The Language of Landscape* (2000). A pioneering work in urban ecology, *The Granite Garden* has been recognised as one of the most important books of the 20th century. Its prescient vision helped advance our understanding about the nature of cities. This seminal work emphasises the importance of both the poetics of landscapes and the science of our profession and demonstrates both the depth and the breadth of her thinking. In doing so, she has helped to position landscape architecture as the most comprehensive of the arts. In this book, she illustrated how McHarg's ecological design and planning ideas could be applied to urban areas.

The Language of Landscape lays out clear principles for reading landscapes. Both books are used in landscape architecture, city planning, and architecture courses around the world and have influenced many generations of students in landscape architecture. In addition to these two major books, Professor Spirn has written numerous articles, essays and book chapters and has made many presentations throughout North America, Europe, Asia and Australia.

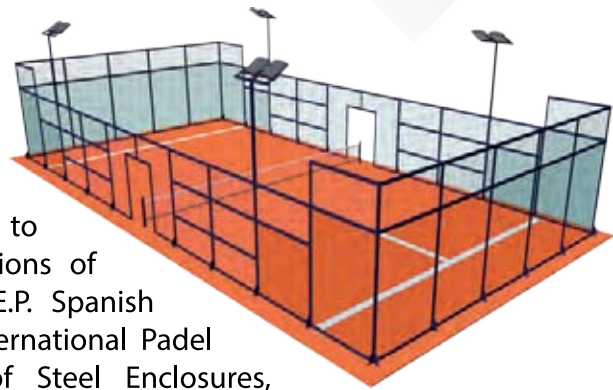
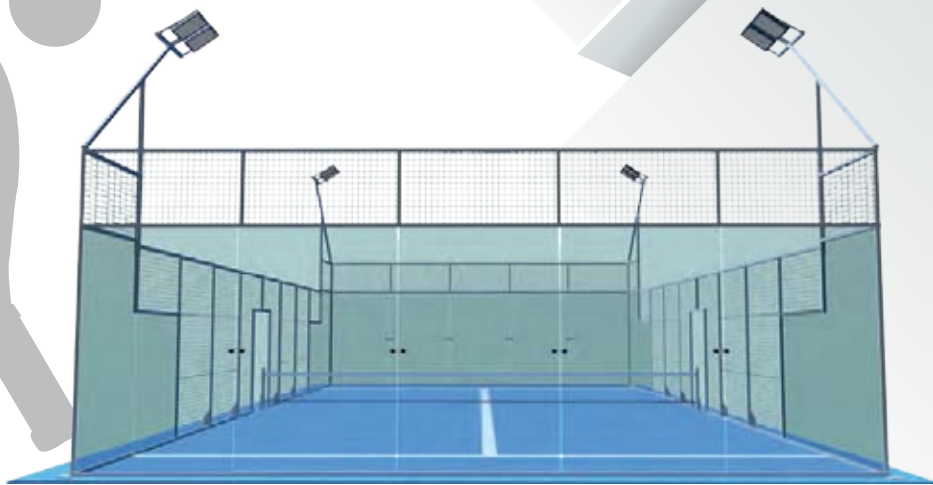
Anne Whiston Spirn rounds out her academic experience through her talent in landscape photography to which she is committed. She is an advocate of the use of photography in design. Her book *The Eye is a Door: Landscape, Photography and the Art of Discovery* (2014) is a significant contribution to "seeing as a way of knowing and photography as a way of thinking." Professor Spirn has expanded her use of photography through multimedia and the web.

After completing her Master of Landscape Architecture at Penn, Professor Spirn worked for several years at Wallace, McHarg, Roberts and Todd before taking a teaching position at Harvard's Graduate School of Design. She participated in several of McHarg's firm's most influential projects in the 1970s such as *The Woodlands* in Texas and the *Toronto Waterfront*. After leaving private practice, she became an academic practitioner, exemplified by the *West Philadelphia Landscape Project*. The latter helped lay the ground work for Philadelphia's important undertakings in storm water management and green infrastructure and also did much to improve impoverished neighbourhoods. Anne has focused much of her life's work on the needs of the less fortunate. This has come at a point in time when the disparity between rich and poor on our planet is at an historic high and, in the words of Sir Geoffrey Jellicoe, "the collective landscape is a social necessity."

Through her work with the African American communities of West Philadelphia she has challenged us to a higher calling – to address questions of spatial equity and environmental justice. One of her nominator's expressed this to be the great challenge of our time, and "Anne has taken a leadership role in addressing this extremely complex issue. Through her writings and work she has made a unique and lasting contribution by showing how our work can improve the welfare of society and the environment."

In short, Anne Whiston Spirn is a distinguished scholar and an important thinker. The jury felt that she richly deserves the IFLA Sir Geoffrey Jellicoe Award for 2018. ■

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Valley Villa Building in Nature

Let yourself be completely enveloped by nature, take delight in its beauty and for a moment, forget the hustle and bustle of the city. Valley Villa, designed by Studio Arches, is located a few kilometres from the city of Vilnius and was conceived with the intention of creating perfect integration between its modern architectural lines and the extraordinary individuality of the surrounding natural environment. With external cladding in Kebony wood and irregular sloping roofs, the residence resides in absolute harmony with the valley in which it stands and the green pines that surround it.

The ground floor, in black shale stone, almost disappears into the natural incline of the valley. The first floor is the only one that is entirely visible, with contours that redefine those found in traditional Lithuanian houses. The use of materials such as wood and glass not only delivers optimum



brightness to the interior spaces but also further strengthens the link with the outdoors. Thanks to its large windows and solid dimensions the residence opens out into the valley, echoing its natural morphology.

The ground floor windows are partially covered by vertical wooden slats, which ensure protection from the sun's rays, whilst at the same time becoming part of the interior decoration. Contours that clearly evoke the shape of tree trunks and that underline, like the entire structure itself, the desire to stand in continuity with the surrounding environment.

These architectural needs are perfectly satisfied by the essential shape of INNOVO series by CEA, chosen to improve the liveability of the bathroom space. Made of stainless steel AISI 316, INNOVO built-in parts simplify construction works. Moreover, the mixer opens from cold water to hot, to guarantee energy saving, and the aerator, provided with flow limiter, ensures water conservation. ■



Name of project: Valley Villa
Project Location: Vilnius, Lithuania
Project: Arches - www.arches.lt
Customer: private
Name of series: INNOVO
Photographer: Norbert Tukaj
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Echo Friendly Vertical Gardens

Vertiss combines trendy design with a eco-friendly modular system made in france

By: Vertiss

A residential compound in Jeddah, Saudi Arabia.

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RESIDENTIAL DEVELOPMENT





INSIDER Look

Imran Ashiq, Managing Director of Land Art Studio and Chartered Landscape Architect UK shares his design expertise behind a private villa in Dubai



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Imran has 12 years' experience in the Middle East working on a variety of projects which include large scale high-end residential developments, public realm design works, public open spaces, retail zones and private villa design.

Land Art Studio

Providing the best in creative design for Landscape Architecture. Land Art studio has extensive experience in the Middle East and provides clients with unique and practical solutions for your requirements.

"We are focused on quality and commitment to our clients. Our design team approach each project with

the emphasis on creating functional, environmentally sustainable and aesthetically pleasing solutions. By understanding the clients brief and working closely with them we always bring out the best in the design."

Land Art studio are currently working on a diverse range of projects in Dubai, Bahrain, Sudan and the UK.

The services offered are:

Landscape Architecture, Planning and Urban Design, Horticulture, Irrigation, Lighting design, Project Management, Post contract services.

RESIDENTIAL DEVELOPMENT



Inside look: PRIVATE VILLA DUBAI

The clients brief was to create a very modern landscape which would include the five senses sight, smell, sound, taste and touch, the brief was to also provide areas of relaxation and function whilst maintaining the views to the golf course. The client also wanted a strong connection with the interior design and wanted the lighting to play a major role in transforming the space in the evening.

The various zones located throughout the villa's landscape included the entry garden space, library seating space, water feature area, raised wooden deck sun lounge space, pool area, sunken seating area and outdoor dining space.

Sight

Probably the most obvious sense in landscaping is, of course, that of sight. Without sight, we wouldn't be able to see the intricate details that go into every landscape design, from delicate borders on hedges to vivid green lawns and carefully-crafted shrubbery in seemingly impossible shapes. This provides much of the wow factor that goes into the landscape design.

We managed to create eye catching elements as you enter the space and the use of different materials and strong geometry really helped bring the space to life.

Smell

We decided to use heavily scented plants around the sunken seating spaces near the library where they would be appreciated the most.

Sound

You may not think that there's much to be done in the way of sound in a landscape design and you'd be right, for the most part. There are no plants that produce music or alluring background sounds however, we incorporated sound into the landscape with water features and swimming pool overflow which had a more soothing and subtle sound than the heavy cascade of the water feature. The sound of trickling water is a relaxing one and we felt the guests would appreciate it.

Taste

Since taste is so closely linked to smell and certain flowers produce a kind of taste sensation, fruit trees were also planted throughout the space to add colour and structure to the landscape.

Touch

Touch and texture play a large part in landscaping, even if your guests aren't touching the plants directly. The tactile aspect of

the design has been created by the movement from one zone to the other and walking over different materials and textures, for example, the stepping stones in the gravel and stepping out of the pool on to the wooden deck or sitting on the grass or at the sunken area.

Materials

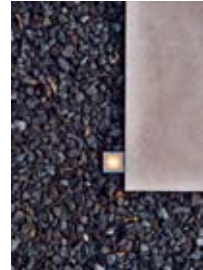
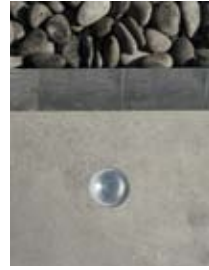
We decided to use a palette of various shades of grey and some light browns to complement the architecture and provide a space that looks both modern and sophisticated. Some materials used internally spilled out to the exterior to create a connection through the two spaces and provide visual links as well as an element of flow, movement and rhythm to the space.

As the main feature of the landscape, a dark material was used for the swimming to make it stand out as well as capture the reflections of the surrounding landscape.

Lighting solutions

Clever lighting enhances the quality of life. In our design the application of thoughtful and informed lighting concepts leads to design that has a profound effect on the way people feel about a space.

The Luminaires provide immediate visual impact and structure in the landscape that plants typically cannot provide.



Lighting was used to create drama at night and to highlight key areas and focal points throughout the space, linear lighting was used on steps and the building façade which complemented the overall design language in the landscape. Water features come to life at night as the cascading water was highlighted further to emphasise the moving water. Using the correct light in the right way will make the architectural elements stand out. We used warm white lights for the majority of the landscape and cool white for the pool as we felt this would provide a cooling effect to the space especially in the hot summer months.

A fire pit was also used to give natural light and movement at the sunken seating area which would add to the character of the space in the evening and provide guests with a strong visual element which would give further interest and enhanced mood. ■

BOTANIC GARDEN





In a climate of uncertainty, gardens of the future have a critical role in testing and demonstrating new connections between communities and their environments.

The Bendigo Garden for the Future, a collaboration between TCL, Paul Thompson and Peter Elliott Architecture and Urban Design is a 3.5-hectare contemporary garden. It's a future-focussed addition to Bendigo's historic botanic garden precinct that responds to the challenges of climate change in inspiring and immersive ways.

The idea behind the Bendigo Garden for the Future is not only practical (to ensure the garden's own survival), but to educate and encourage visitors to use the climate-appropriate plants found here in their own gardens in new and interesting ways.

Designing a brand new botanic garden in a rapidly changing climate was no straight forward task. The TCL and Paul Thompson design team had to think laterally in order to come up with a planting palette that would not



Speculating on our future: Bendigo's Newest Botanic Garden opens

By: T.C.L.

II BOTANIC GARDEN



only thrive in today's conditions, but also in the hotter and more extreme conditions forecast for Bendigo in future climate models.

To do this, inspiration was sought from other areas of the world that currently experience similar rainfall patterns and temperature variability to those projected for Bendigo in the next fifty years – areas as far away as South America and the Middle East.

The highly graphic layout of the gardens was inspired by the geological patterns of Bendigo and interprets the site's famous Gold Rush history through a number of formal gestures. One of these is the circular lawns, which is a reference to the practice of 'puddling' – a method of extracting gold from clay that has left circular depressions in the landscape surrounding Bendigo.





The garden has three distinct areas arranged around an oval-shaped promenade, the “International Biome,” the “Australian Biome” and the “Fun and Fantasy Lawn,” which cuts through the centre of the site. The first is composed of imported species, the second of Australian species, and the third a fusion of both.

The International Biome presents a diverse collection of plants from South and North America, India, the Middle East and the Mediterranean that are suitable for the Bendigo climate. It draws connections between international plants and plants that are native to Australia. The Australian Biome displays a range of plants from around Australia that can thrive in the Bendigo climate.

The Fun and Fantasy Lawn collection is the centrepiece of the garden – it is where weird and wonderful plants from Australia and around the world come together in unexpected and spectacular displays. This collection demonstrates to visitors that they do not need to choose between a native garden and an exotic garden; a well-composed combination of the two can produce great outcomes.

“As landscape architects, we have an opportunity to communicate important environmental messages through high quality and memorable design,” explains

TCL Director Lisa Howard.

“We wanted to create a diversity of plant genera, species and forms that come together in a way that is attractive and interesting, but organised in a strong framework that allows for research and testing.

“Some plants will offer quick growth, being visually evident in two to three years. But the majority will be of medium to slow growth, where the design intent may not be immediately visible for ten to fifteen years, before the garden reaches full maturity in thirty to forty years.”

Various varieties of turf are tested throughout the lawns to test and highlight their appropriateness and adaptability to the region.

A lime-green pavilion designed by Peter Elliott Architecture and Urban Design sits at the southern end of the garden and provides amenities and a place to stage community events, such as performances, moonlight cinema, plant sales or anything else the community desires.

“The shelter acts as a visual anchor to the Fun and Fantasy Lawn’s long axial vista,” explains Peter Elliott. “Its sweeping roof appears to float above the green service pods.” ■





Dubai Properties build impressive vertical garden

By: Dubai Properties



How long did it take to build the Dubai Wharf Green Wall?

The Dubai Wharf Green Wall was developed over a period of three months by Dubai Properties and landscaping experts Gover Horticulture.

How much CO2 can the Green Wall offset?

Extending 210 metres in length and rising six metres high, the impressive vertical garden spans 1,260 square metres and features over 80,000 plants forming a leaf canopy area equivalent to around 200 trees, capable of offsetting an estimated 4.4 tonnes of carbon dioxide (CO2) annually.

How much has been invested in this initiative?

The Green Wall represents an investment of around \$1 million (AED 3.68 million) from Dubai Properties for residents and tourists to enjoy. The project has a number of positive effects including supporting the local ecosystem and beautifying the surroundings of one of Dubai's newest mixed-use destinations.

How is the Green Wall sustained?

The Dubai Wharf Green Wall is made using geotextile grow bags filled with peat substrates enriched with nitrogen, phosphorus and potassium (NPK). This allows for better root growth, irrigation and drainage in the UAE climate that can often get quite harsh during the long summers.

Geotextile grow bags are specifically used to hold water around the root of each plant. This medium is the most effective way of ensuring healthy root growth, as well as efficient drainage. We are also planning to introduce a system that allows us to collect drainage water from the Green Wall in a new tank and reuse it in our water irrigation system.



I VERTICAL GARDEN



What type of plants are in this wall?

A variety of plants were chosen to give the Green Wall a unique appearance, with it currently consists of eight types of ground plants, including – Alternanthera Green; Alternanthera Red; Iresene Accuminata; Asystasia Sp; Portulacaria Afra and Asparagus SP.

The colour of the foliage and density of each plant type varies along the length of the wall, making it a vibrant and exciting attraction for the area. People will also notice that because of the differing plants used in the wall there is an almost three-dimensional effect to it – almost like looking at a painting from a distance.

Can it really lower surrounding temperatures?

Heat build-up in cities is primarily caused by the absorption and subsequent emission of solar heat in asphalt roads and building materials. Plant surfaces can help offset this occurrence by reducing temperatures through a process called

evapotranspiration. The effect can be felt more prominently in the immediate vicinity of a surface such as a green wall that can lower surrounding temperatures by up to five degrees Celsius.

Where is the Green Wall located?

It is located in Dubai Wharf which is part of the Culture Village development, one of Dubai Properties' defining mixed-use destinations that offers sought-after waterfront living against the spectacular backdrop of Dubai Creek across two distinct locations – Dubai Wharf and Manazel Al Khor. The two luxury residential developments are complemented by the Canal Promenade that features ample greenery and a wooden playground, making it an ideal place for kids to explore.

Is it the biggest in the region?

As of now we are not aware of any other Green Wall of this size in the Middle East region. ■





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- Its **decorative element** highlights the green grass and colours in the flowers.



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INSPIRED BY NATURE

Project by: CARLO RATTI ASSOCIATI
BIG-BJARKE INGELS GROUP

One of Singapore's tallest towers located in the financial district takes inspiration from its tropical nature

The 280m tall high-rise on 88 Market Street, jointly designed by CRA-Carlo Ratti Associati and BIG-Bjarke Ingels Group is an oasis in the bustling Central Business District of Singapore. The tower, one of tallest in Singapore, blends urban life with tropical nature, redefining and elevating workplace and living standards for its users while adding an elegant new landmark to the Singapore skyline.

Located in the heart of Singapore's financial district, the new 93,000 m², tech-integrated and verdurous skyscraper which includes the 'office of the future', a serviced residence and retail components, transforms the site of a former car park complex built in the 1980s. CRA and BIG were selected to design the 51-story high-rise following an international architectural competition hosted by Asia's leading real estate company CapitaLand. The development funded by the joint venture partnership CapitaLand

Limited, CapitaLand Commercial Trust and Mitsubishi Estate Co., Ltd. had its groundbreaking ceremony on February 9th and is expected to be completed in 2021.

"Buildings can no longer be designed with a singular purpose or customer profile in mind – the definition of work is rapidly evolving and will continue to take on new forms. With our deep expertise in developing and managing offices, malls, serviced residences and integrated developments, CapitaLand is in a unique position to lead the charge in creating future-ready, work-live-play developments that will galvanize the community. Anchoring the rejuvenation of Raffles Place, the upcoming integrated development will set a new benchmark for workspaces of the future as we harness the best-in-class design, engineering and smart technologies to empower occupants with new levels





FINANCIAL TOWER



of flexibility and mobility. This will be complemented by active placemaking initiatives in the integrated social spaces to build a vibrant work-live-play community. We are excited to embark on this journey to create a sustainable, people-centric development as we lay the blueprint for the workplace of the future.” Mr. Lim Ming Yan, President & Group CEO, CapitaLand Limited.

Rising to 280m, on par with the tallest buildings in the heart of Singapore’s Central Business District, the integrated development offers premium Grade A office space, a 299-unit Citadines serviced residence to be managed by The Ascott Limited and ancillary retail space. The tower is set to make a distinctive mark on the Singapore skyline: the building’s exterior façade consists of vertical elements that are pulled apart to allow glimpses into the green oases blooming from the base, core and rooftop. A

dynamic interplay of orthogonal lines and lush greenery presents itself in the contrasting textures of steel and glass, interwoven with tropical vegetation.

“BIGs design seeks to continue Singapore’s pioneering vertical urbanism with the 280m tall diverse community of places to work, live and play inside as well as outside. At multiple elevations, the facade peels open to reveal urban oases for its users and the surrounding city - animating the elegant smoothness of modern architecture with the ubiquitous tropical nature.” Bjarke Ingels, Founding Partner, BIG.

At the ground floor, visitors will be met by a public rainforest plaza and park. A series of spacious activity pockets invite possibilities for fitness sessions, temporary art installations or other community events. Meandering garden paths and





covered passages create natural entryways into the City Room, a 19m-high generous open space at the foot of the tower. The lush exterior will be matched by an array of hi-tech solutions shaping a series of fully responsive spaces for work or leisure. Sensors, Internet-of-Things (IoT) and artificial intelligence capabilities are scattered throughout the tower which will enable the tenants to customize their experience of the building.

“At CRA, we aim to design spaces that can become settings for novel interactions. In this building, green areas are made accessible to the public at different heights, allowing the city’s exuberance to extend throughout the entire tower. Working in nature will be as essential to the experience of the building as the most advanced digital technologies, offering us a glimpse of tomorrow’s offices.”

Carlo Ratti, Founding Partner, CRA; Director, MIT Senseable City Lab.

The City Room welcomes tenants into separate lobbies for the offices and residences, as well as shoppers and diners into the food center within the tower’s podium.

The first eight floors of the tower are dedicated to the serviced residence including a wide range of facilities such as

a swimming pool, jacuzzi, jogging track, gymnasium, social kitchen, residents’ lounge and barbeque pits. The top 29 floors of the tower offer premium office spaces with panoramic views to the Singapore River and Marina Bay.

At the core of the building between the hardscapes of the offices and residences are four connected levels of organic softscape, called the Green Oasis – a mesmerizing 30m open-air garden for work, casual strolls, relaxation, exercise and events. The multi-leveled oases are connected by a spiraling botanical promenade that creates multiple viewpoints of the vertical park within and the Singapore landscape outside.

“As someone with Singaporean heritage, I’m honored and humbled by the opportunity to contribute to the ongoing evolution of architecture in Singapore – the home of tropical modernism. BIG’s design looks to further this local typology by distinctly yet seamlessly blending the contemporary high-rise with abundant greenery in-between the offices, residences, amenities and recreation spaces.” Brian Yang, Partner in Charge, Bjarke Ingels Group.

The Green Oasis is a tranquil haven of winding walkways and comfortable seating areas for working outdoors or simply lounging in the shade. At about 100m above ground, the tropical garden will feature a jungle gym, treetop cocoons, sky hammocks and a café. ■

CREDITS

A project jointly designed by CRA-Carlo Ratti Associati and BIG-Bjarke Ingels Group

SIZE: 93,000 m²

LOCATION: Singapore

CLIENT: CapitaLand

COLLABORATORS: RSP Architects, Dragages Singapore, BIG Ideas, BIG Landscape



Meet the PROFESSIONALS

By: Sejal Nagjee
CEO, Milestone Landscaping LLC

Sejal Nagjee is a multi-skilled landscape architect and former professional table tennis champion. Her company Milestone juggles up to ten projects at a time, building pools, landscapes, shade structures and managing the complete design and build of commercial and residential landscape projects for landscapes and interiors.



Early Years:

I became a professional table tennis player by age 11. With an international career spanning over 17 years, I represented India from 1983-1995, and captained the Indian team in World Championships, Asian Games, Commonwealth games, South Asian Games among others, winning over 140 medals, including the Shivaji Chhatrapati Award as the Best International Sportsperson in my state in 1991.

After retiring from active professional sports, I studied Ikebana for seven years at the Ohara School of Japan and Bonsai from Indo Japanese Association. I also studied Interior design and took a keen interest in shaping Bonsai plants, as well as various programs in Neuro Linguistic Programing, Feng Shui and Freelance Journalism.

Building Milestone

In 2003, my husband's career brought us to Dubai, where I decided to form my company Milestone the following year. I soon earned the reputation of being the best landscape designer in Dubai, designing for the likes of Sheikh Mohammed and creating centerpieces and arrangements for over 80 hotels and restaurants.

Between 2004 and 2008, the business began to expand, and so did the scope of projects. I began to focus on landscaping design and interior design. I soon realized that more and more of my clientele were requesting swimming pool design and construction, as well as exterior designs. It was around this time in 2008 that I saw the benefits in developing an internal carpentry factory. Milestone began to design and manufacture external gazebos, pergolas, fences, seating arrangements, beds, studies, wardrobes, panels, ceiling and flooring enhancements, and literally everything in between.

Milestone became a full-fledged home design company offering building contracting, interior design, exterior design, swimming pool and carpentry services to people who wanted to build





luxurious homes. For the last 14 years, Milestone has comprehensively designed and built over 700 homes all over Dubai and winning many awards.

Tough Market

The market is tough with companies experiencing delayed cash flows, tough competition and decreased liquidity. Luxury home owners are not spending excessively and the market is very conservative in its approach. Funding is also difficult to get for expansion. However, we have designed and built exteriors of Masgouf Restaurant on Jumeirah beach road, built landscapes for 60 luxurious homes each year in Dubai, designed and built offices, spas, restaurants and school landscapes and interiors.



MILESTONE





Best Practice

The landscaping industry here must adhere to International Standards in using the best materials, processes, systems and technical knowledge for execution. Milestone is an ISO certified company and believes that from designing, gaining approvals, detailing, quotation making, choice of materials execution, supervision to handover, each area must have the international standard of delivery.

I have worked only in India and the UAE, I find it's easier to work over in the UAE due to its varied scope of projects with easy access to international materials from many countries, fantastic contractors and a straight forward visa process for recruitment. Markets go up and down but there is always work available. I have stayed in England and Singapore and found that the work ethic is fantastic, and you get very efficient, skilled and trained workers. However, the cost of labour is very high. The UAE offers many options and labour recruitment and it is possible to spread your costs over the appropriate skill that you may need.

Expo 2020

Expo 2020 is coming so our industry will be stable in the next two years. Established companies will keep getting projects provided they focus on digital marketing and have high visibility in the market, continue to do good a job and focus on new innovative ideas. Having trained staff and getting the top management teams trained is very important to sustained growth as they are the ones who help to produce the results. The main challenge for most people is cash flows due to delayed payments and high competition and hence are conservative in their spending habits. ■





Al Dana Mosque

Abu Dhabi's newest Mosque is both avant-garde and yet deeply rooted in its culture and context.

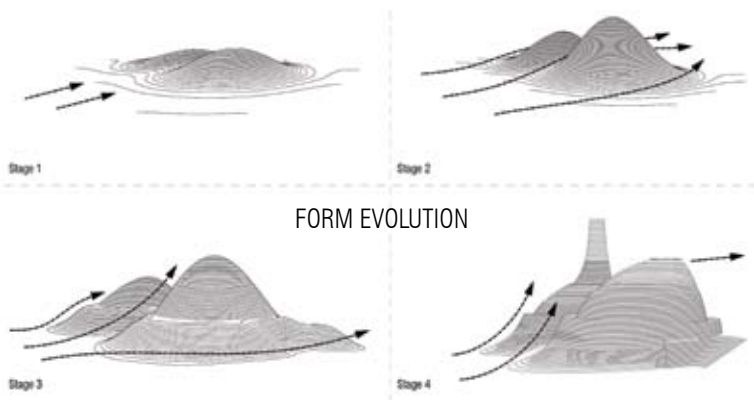
By: X Architects





A public seaside promenade facing the marina provides a unique setting for this Jame'e Mosque. Inspired by its context and sitting in harmony with its surroundings, the formal language of this mosque derives from a reinterpretation of traditional Islamic architecture, suggesting a new reading while maintaining the essence of them.

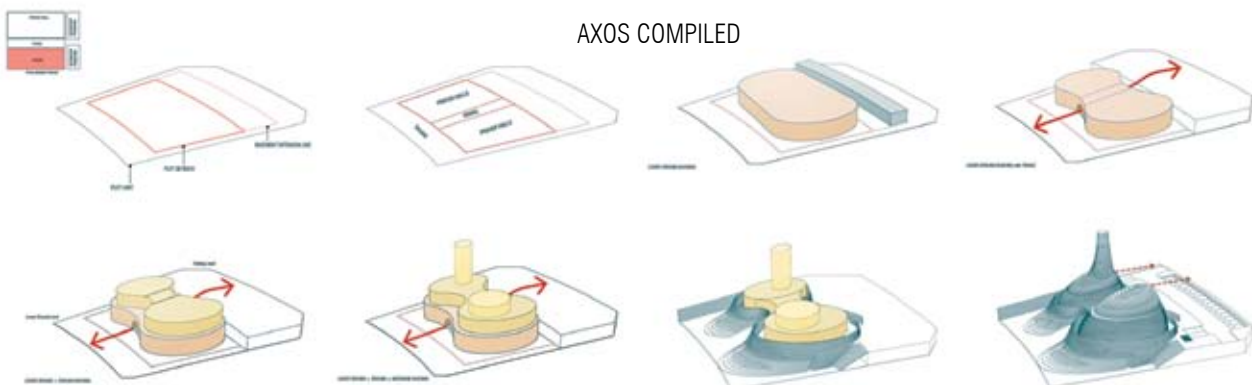
The design approach investigates geometry, scale, and architectural language, and looks at them from a new perspective that reflects the intellect, aspiration, and vision of this nation. The end product is multi-faceted in nature, by corresponding to numerous factors and considerations, all of which interact to create a mosque that is avant-garde and yet deeply rooted in its culture and context.



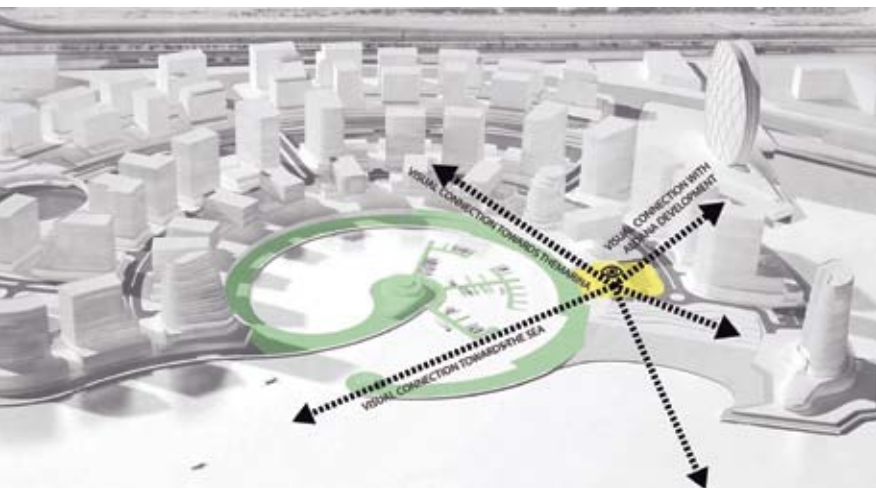
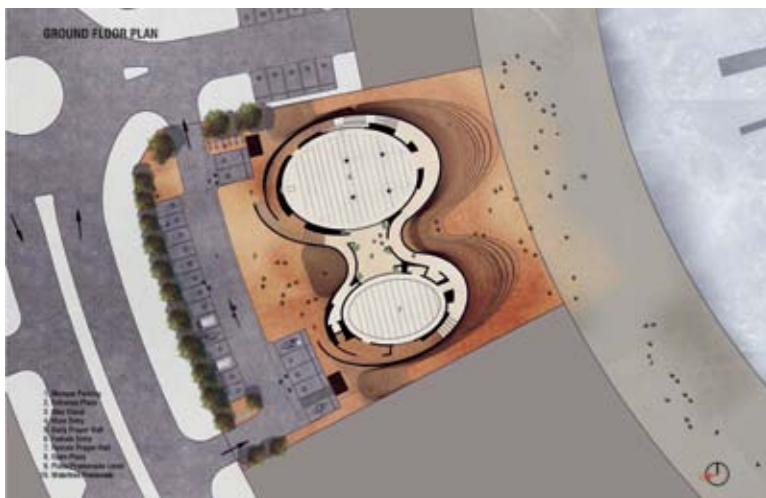
CONCEPT IMAGE



AXOS COMPILED



MOSQUE



AL DANA MOSQUE
Abu Dhabi, UAE, 2017

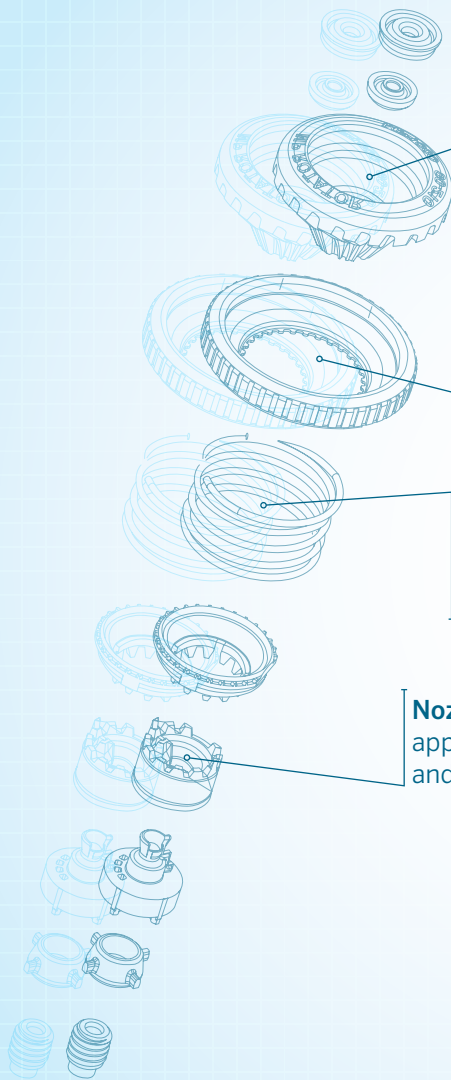
CLIENT Aldar Properties
PROGRAM Mosque
BUILT UP AREA 2200 sqm
STATUS Schematic Design
SCOPE Architecture

DESIGN TEAM Ahmed Al-Ali, Farid Esmaeil, Marija Krsmanovic, Piyush Bajpai, Yazeed Obeid, Samar Halloum, Abdullah Bashir, Nazish Khushrudin, Mena AlSamarrai

The traditional sahan has been reimagined as a plaza, transforming the site into an urban connector and public space, allowing for the mosque to become part of its context. The leaning dome, inspired by the shifting sand dunes of the desert, plays a pivotal role in defining the mosque as an urban lantern at night. During the day, the high oculus brings daylight into the space, forming a spiritual connection with the earthy interior and the heavenly skies. ■

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Patagonia micro-brewery is enhanced by nature's design

Exploring Argentina's landscape

By: Jimena Martignoni

Situated in the foothills of the Andes, Bariloche is an idyllic city in Patagonia overlooking blue lakes framed by colour-changing woods and home to Patagonia Brewery (Cervecería Patagonia), which is located in Short Circuit, west of the city and one of the most visited panorama trails in the region. Developed along Lake West Moreno, this area offers breathtaking vistas of the lake, mountains and never ending woods. This natural context inspired the owners of Patagonia Brewery to open their first and only microbrewery, offering craft beverages.

The sensory experience becomes more intimate once at the site and yet probably even more intense. Eliana Bórmida, the lead designer of the architectural and landscape architecture, says: "We wanted the approach to the site to be a sensory experience but, at the same time, we asked ourselves how to avoid negative impacts or unwanted pressures on the landscape with a permanent addition, a place that would attract more people and events. We had to study the site very carefully."

This desire of knowing the place better before creating any plan was also related, in this case, with the fact that the Bórmida & Yanzon office is based in Mendoza, another province of

Argentina, with a much drier climate and different conditions. However, all their largest works are wineries (Mendoza is the most important wine production region in Argentina) and the main objective for those designed areas always was to enhance the source of the industrial process: the value of the land and the fruits it provides. With this in mind, the designers combined the understanding and utilization of the mystic of local woods—their lights and shadows, the trails and the unexpected open vistas to the lake—with the limits set by the local government and the National Parks' policies for the site and the area.

Previously, the site housed a lavender production plant with a main house and a winding access path so it was important to incorporate the site's past. The new plan preserved this main path because it offered the kind of pedestrian experience they wanted for the microbrewery project and added a second one for functional purposes and as a result they established a clear difference between visitors and staff, between contemplating and working, between emotion and production.

Still, these two worlds are and wanted to be intertwined and this is the reason why both the brewpub and the production





areas are housed in one single building, articulated and flexible. Immersed into the woods and partly coming out from the earth, this construction adapts to the existing slopes and to the original location of trees.

While talking about the project, Eliana Bórmida explained: "We wanted to highlight the different 'moments' of the visitor's experience. The arrival and first walk to get into the site, the magic of the woods enclosing the building, and the final view, in the back: a grand natural terrace opening onto the lake."

In fact, those three stages are well achieved and one can feel the overlapping of emotions and the sense of discovery all through the quite intimate journey. Extending for 300 meters in length, until it drops into the lake, and with a 100-meter-wide frontage, the lot is clearly linear and the succession of ambiances is clear too.

A small parking area is located by the main entry, for visitors to leave their cars there and walk. Immediately, a hop plantation appears as a first reference to the fruits of the land which will make possible the production of beer which, in turn, will be able to be tasted in the end, while enjoying the views. The hop plant, or *Humulus Lupulus*, is one of the key raw materials for hops



production and in Patagonia four different kinds can be grown. The "lúpulo" (Spanish word for hop), is a very green kind of vine which can grow over 14 meters tall; finding the ideal growth conditions between latitudes of 15° and 35° North and South of the equator, this plant needs as many hours of daylight as possible (at least 14), something that in Bariloche is natural. In the site, the patch which is cultivated with hop plants covers an area of 1,500 m².

Lavender required similar light requirements and it still thrives in the sight reminding visitors of the origin of the site. Its On the way to the brewpub, it's easy to see the horizontal and vertical planes, finished with stone and wood, which have become part of the landscape. The L-shaped layout differentiates between working and relaxing spaces. Taking advantage of the natural slopes of the site, at this point in the lot where the land dropped abruptly, the designers placed the production box in the same linear direction of the site. Appearing as a double-story wooden prism, part of which is semi-buried into the land, this rectangular volume contains all the machinery and equipment for the beer production; managed by professionals specializing also in environment, this area can be visited with the staff as part of the journey.

The other arm of the L houses the brewpub. In opposition to the opacity of the production area, this part of the building offers more and larger glass panels allowing the indoor spaces to blend easier into the surrounding landscape, especially in the back facade. The main facade, on the other hand, presents



■ PANORAMIC LANDSCAPE



retaining walls finished with local stone, a variety of black basalt, which negotiate the gentle slopes and frame the main access. In order to place the building at the same position the old house was in the past, and to guarantee the larger proportions of the new building, some non-native trees were allowed to be cut down. The selection was carefully controlled by the municipality and the number of trees was not higher than six in total. An existing arrayán tree (*Luma apiculata* or Chilean myrtle), one of the most beautiful trees native to Patagonia, well known for their red bark, was taken as a landmark which conditioned the layout of the building. Edging the exact original position of this tree, the designers created an ascending moderate beam which leads to the upper floor of the brewpub; marked with railroad ties, this ascending path strengthens the natural look of the original grading.

The back facade, almost completely made of glass, opens onto a recessed veranda clad in wood. The fantastic views of the lake can be appreciated from the many tables, sun chairs and places to sit and relax, while tasting the wide varieties of local craft beers.

The wood used for finishing walls and decks includes diverse kinds, all local and certified.

Green roofs were also incorporated in parts of the building, planted only with native grasses and low-maintenance sedum species. From the upper floor, these horizontal planes seem to extend outwards into the woods in another humble green gesture.

Completing the sustainable approach which designers and owners sought for this project, two water treatment plants were built onsite: one collects the building's grey water and

another collects the wastewater generated by the brewery process. With water forming one of the four components of beer (water, barley, yeast and hops), advanced water treatment technologies are critical for these kinds of sites, especially in protected natural environments.

The two systems were thought out to follow three biological steps: the first one, which is shared by both, is about air injection and it depends on underground pipes; the second step is represented by two separate wetlands whose native water plants vary in response to rain seasons and general climate conditions; and a final step is about infiltration and reutilization for local irrigation.

In this special project, the pleasure of tasting a glass of craft hops goes hand in hand with the careful planning of the architectural and landscape transformation processes; the desire of preserving the land as the main source of all possible tasting pleasures. ■

Location: Circuito Chico, Bariloche. Patagonia Argentina
Architectural and landscape architectural plan: Bórmida & Yanzon arquitectos.

Project's direction: Eliana Bórmida. Alejandro Grinberg.

Landscape Plan: Moira Kenny

Brewmaster and environment consultant: Valeria Valenzuela and team.

Lot area: 3 hectares. Built Area: 1,500 m²

Date of completion: 2016

Client: Cerveza Patagonia: Nicolas Morelli

Photography: Francisco Cigna, Jimena Martignoni



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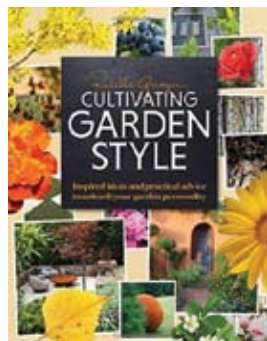
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BOOKS OF INTEREST



CULTIVATING GARDEN STYLE

ISBN: 9781604694772

Author: Rochelle Greayer

Publication Date: Timber Press (23 Oct. 2014)

Language: English

Book Descriptions:

Cultivating Garden Style is packed with the latest trends, state-of-the-art products and hot tips that show you how to make exciting outdoor spaces that are personal, practical and fabulous. Style guru and Leaf Magazine

editor Rochelle Greayer delights in helping homeowners "channel their inner gardenmaker". She breaks down the process of garden design into easy steps so that everyone can make gardens that are every bit as liveable in as their homes. Taking the lead from current trends in fashion, interiors and design, this book shows how to get the details right when planning and executing outdoor projects from herb gardens to hot tubs, fountains to firepits, and shell collections to sheds. Ranging widely in mood from 'Forest Temple' to 'Arty Islam', this carefully curated garden style sourcebook is packed with smart ideas and of-the-moment ingenuity.



GARDEN DESIGN: A BOOK OF IDEAS

ISBN: 9781845339210

Hardcover: 320 pages

Publisher: Mitchell Beazley (March 16, 2015)

Language: English

Product Dimensions: 9.7 x 1.1 x 11.3 inches

Price: 195 AED

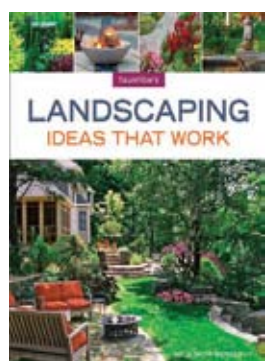
Books Description

There is no one way to design a garden. The variations and breadth of possibilities are astonishing but it is the choices of the individual that make the world of gardens so exciting. Creating a garden is part common sense and part instinct but we all need inspiration to help us realize

the garden we want. Garden Design: A Book of Ideas is the must-have visual reference for garden owners, architects and designers.

With over 600 images by award-winning photographer Marianne Majerus and incisive advice from garden designer and best-selling writer Heidi Howcroft, this book takes the reader from getting the concept right to choosing the perfect finishing touches for your outdoor space. The gardens featured are large and small, urban and rural in a wide range of styles from contemporary to classical to naturalistic.

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LANDSCAPING IDEAS THAT WORK (TAUNTON'S IDEAS THAT WORK)

ISBN-13: 9781600857805

Paperback: 224 pages

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Books Description

Landscaping Ideas That Work is the most comprehensive

resource of inspired design ideas and practical solutions for creating landscaping and outdoor living spaces that are comfortable, attractive, and usable. With professional design advice as well as over 350 innovative ideas and photographs, this is the only sourcebook you'll ever need for smart design, buying, and installation decisions for your outdoor digs. Landscaping Ideas That Work covers front, back, and side yards and provides strategies for combining elements and creating spaces that work with any home; innovative ideas for transforming all aspects of the yard into inviting outdoor spaces; and designs for more sustainable landscapes and gardens.



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NEW & CURRENT PROJECTS

Tender Name	Description	Client	Region	Tender Cost (USD)	Post Date	Closing Date
Public Parks Construction	Construction of Public Parks	Madinah Municipality (Saudi Arabia)	Saudi Arabia	267	6/14/2018	8/7/2018
Gardens and Playgrounds Maintenance	Maintenance of Gardens and Playgrounds	Madinah Municipality (Saudi Arabia)	Saudi Arabia	533	6/14/2018	8/7/2018
Gardens, Parks & Fields Development & Rehabilitation	Development and Rehabilitation of Gardens, Parks and Fields	Madinah Municipality (Saudi Arabia)	Saudi Arabia	8000	6/5/2018	8/7/2018
Intersections & Parks Development	Development of Intersections and Parks	Madinah Municipality (Saudi Arabia)	Saudi Arabia		6/4/2018	8/7/2018
Urban Landscape Improvement	Improvement of Urban Landscape	Ministry of Municipal & Rural Affairs (Saudi Arabia)	Saudi Arabia	533	6/14/2018	8/6/2018
Landscaping Maintenance	Maintenance of Landscaping	Muscat Municipality (Oman)	Oman	962	6/28/2018	8/5/2018
Public Park Construction	Construction of a Public Park	Muscat Municipality (Oman)	Oman	372	6/26/2018	8/5/2018
Parks, Yards & Pedestrian Walkways Construction	Construction of Parks, Yards and Pedestrian Walkways Completing the Project of Establishing Gardens and Playgrounds for Children	Hail Municipality (Saudi Arabia)	Saudi Arabia	533	6/14/2018	8/5/2018
Parks & Intersections Development & Rehabilitation	Development and Rehabilitation of Parks and Intersections	Madinah Municipality (Saudi Arabia)	Saudi Arabia	400	6/13/2018	7/31/2018
Gardens and Playgrounds Maintenance	Maintenance and Rehabilitation of Gardens and Playgrounds	Madinah Municipality (Saudi Arabia)	Saudi Arabia	1067	6/6/2018	7/29/2018
General Cleaning and Animal Care Services	Provision of General Cleaning and Animal Care Services	Public Authority for Agricultural Affairs & Fish Resources - PAAFR (Kuwait)	Kuwait	3571	5/9/2018	7/29/2018
Landscaping and Irrigation System Maintenance	Provision of Landscaping and Maintenance of Irrigation System	Ministry of Health (Oman)	Oman	154	6/13/2018	7/25/2018
Parks Development	Development of Parks, including Landscaping, Restrooms and Sidewalks.	Royal Commission for Jubail & Yanbu (Saudi Arabia)	Saudi Arabia	3733	6/27/2018	7/24/2018
Public Parks and Yards Construction	Construction of Public Parks and Yards	Madinah Municipality (Saudi Arabia)	Saudi Arabia	133	6/6/2018	7/24/2018
Plantations, Gardens & Irrigation Systems Maintenance	Maintenance of Plantations, Gardens and Irrigation Systems	Madinah Municipality (Saudi Arabia)	Saudi Arabia	933	6/4/2018	7/24/2018
Gardens & Public Playgrounds Construction	Construction of Gardens and Public Playgrounds	Madinah Municipality (Saudi Arabia)	Saudi Arabia	133	6/4/2018	7/24/2018
King Abdullah Gardens Rehabilitation	Rehabilitation of King Abdullah Gardens	Greater Amman Municipality (Jordan)	Jordan	143	7/2/2018	7/23/2018
Gardens Rehabilitation Works	Rehabilitate the Gardens of King Abdullah II	Greater Amman Municipality (Jordan)	Jordan	143	6/28/2018	7/23/2018
Gardens & Municipal Yards Establishment - Phase 2	Establishment of Gardens and Municipal Yards	Al Ahsa Municipality (Saudi Arabia)	Saudi Arabia	533	6/12/2018	7/22/2018
Gardens & Parks Establishment	Establishment of Gardens and Parks	Holy Makkah Municipality (Saudi Arabia)	Saudi Arabia	267	6/12/2018	7/22/2018
Public Parks Establishment	Establishment of Public Parks	Holy Makkah Municipality (Saudi Arabia)	Saudi Arabia	400	6/11/2018	7/22/2018
Gardens & Squares Maintenance	Maintenance of Gardens and Squares Corniche, Crops and Green Areas and Irrigation Systems	Eastern Province Municipality - Emara (Saudi Arabia)	Saudi Arabia		6/5/2018	7/22/2018
Gardens Completion Works	Completion of Gardens Works	Madinah Municipality (Saudi Arabia)	Saudi Arabia	80	5/24/2018	7/22/2018
Public Parks Improvement Works	Improvement, Beautification and Landscaping of Public Parks	Ministry of Municipal & Rural Affairs (Saudi Arabia)	Saudi Arabia	400	5/22/2018	6/27/2018
Parks, Yards and Walkways Construction	Construction of Parks, Yards and Walkways	Khamis Mushait Municipality (Saudi Arabia)	Saudi Arabia	2667	5/14/2018	6/25/2018



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