

PERFORMANCE  
DRIVEN **DESIGN**<sup>SM</sup>

# SHAPING A **BETTER WORLD**

ANNUAL SUSTAINABILITY REPORT



## CONTENTS

### FOREWORD

**CHAPTER 1:** Design Practice: Performance Driven Design<sup>SM</sup>

**CHAPTER 2:** Business Operations

**CHAPTER 3:** Thought Leadership

**CHAPTER 4:** Giving Back

**CHAPTER 5:** Our Partnerships

**CONTACTS**





Guadalajara Airport | Mexico  
Net Zero at completion

## FOREWORD

In these unprecedented times, the impact of our performance driven design practice is more important than ever. As cities have shut down globally, nature and wildlife have rebounded. This offers proof that our global environment can recover. However, this visible impact is not without its consequences – this rebound was fueled by tragedy in lives lost and economies damaged. The opportunity now is to bring the right management and corrective measures together with economic resilience.

The intertwined relationship of the built and natural environments and their cumulative impact on public health is at the forefront of our thinking. From the industrial revolution--when unsanitary conditions and overcrowded urban areas facilitated the spread of infection--to the intensity of extreme weather phenomena, to the pandemic we are still in the thick of, there will be more challenges facing us in the future. If we act swiftly and boldly to come together as architects, designers and planners with our partners, we can design systems that account for healthier and more resilient communities. We have a chance to reset the harmony between nature and humanity through the built environment.

As we embark on the post-pandemic “new normal,” our focus on resiliency, mobility, technology, wellbeing and the interconnectedness of humanity offers a significant opportunity to bring these complex systems into balance. Our abilities go beyond predicting and planning to forecasting events. We approach this holistically and from a nonlinear vantagepoint that incorporates rigor and expertise at every level.

CallisonRTKL signed on to the AIA 2030 challenge at its inception. In some areas of our practice we have made significant strides in the right direction—while other areas offer greater opportunities to leapfrog current thinking. We offer our clients and partners the intelligence and opportunity to design all projects to be Net Zero Carbon in operation by 2030. We also aim for all projects to be carbon neutral—including materials—by 2050.

Our leadership team is committed to shepherding our four primary initiatives: wellbeing, resiliency, technology and mobility, and human-centric design to drive the change and shape the conversations that bring our world to a healthy balance. We, as a practice, are committed to advancing this agenda, increasing the urgency and using our global platform to drive the needed change for our planet.

Kelly Farrell, CEO



# 1

## DESIGN PRACTICE: PERFORMANCE DRIVEN DESIGN

Our firm's impact is truly global, with over 2,000 projects under design at any given moment. To achieve these all-too-necessary reductions in carbon emissions, we are implementing both design strategies and firmwide training.



NET ZERO CARBON FOR  
OPERATION BY

2030

ALL PROJECTS WILL BE  
CARBON NEUTRAL  
INCLUDING MATERIALS BY

2050

## WHAT IS PERFORMANCE DRIVEN DESIGN<sup>SM</sup>?

Developed by CallisonRTKL professionals, Performance Driven Design<sup>SM</sup> (PDD) aims to provide as much value as possible by tailoring design solutions to the needs of the specific clients and communities we serve. By drawing on ample evidence about the social, economic and environmental impact of design, PDD seeks to apply the greatest available intelligence to create compelling design with measurable benefits to people, place and planet.

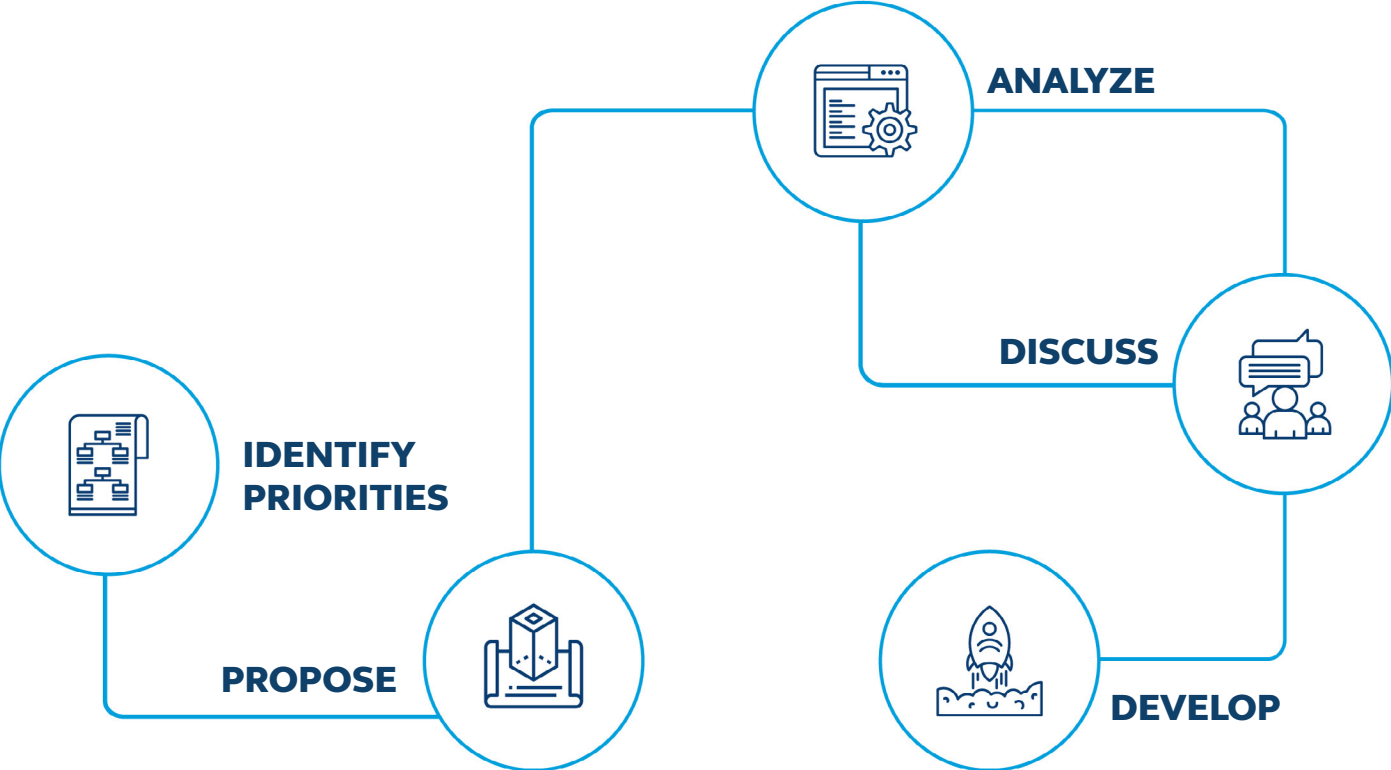
Performance Driven Design<sup>SM</sup> is a data driven design process that combines analog and digital tools to design low-carbon buildings that are also more resilient and responsive to climate. PDD is a flexible process that can be tailored to any project goal. The following pages describe our approach to goal setting and are essential for a truly sustainable project.

Bolstered by scientific principles, research and performance simulations, PDD guides designers in an increasingly complex world, improving the quality and value of any project.



# HOW DOES THE PDD TEAM WORK?

In all of our offices, we follow the same basic principles. We keep these universal so as to apply them to any type of space, any project, any client, any budget, any schedule, any location and any time.



## Identify Priorities

Find the key purpose of the space, as well as the main sustainability initiatives we'd like to implement.

## Propose

Discuss our plan of action, develop tests for simulations.

## Analyze

Run simulations, troubleshoot.

## Discuss

Are these ideas feasible?  
How will we implement them?

## Develop

Turn ideas into action.

# OUR PROCESS

## SUSTAINABLE DESIGN CONSIDERATIONS IN PROJECTS

We believe that simple solutions are beautiful solutions. We strive for efficient and elegant design with the following considerations in mind.

### Regenerative Design and Ecological Systems

We go beyond checklists and implement a regenerative design approach, looking to nature's processes for inspiration. We look for ways to go beyond mitigation of resource depletion and environmental degradation, and rather, emphasize ways in which our work can improve the environment.

### Wellness: Indoor and Outdoor

We create healthy indoor spaces and year-round active outdoor spaces that increase occupant satisfaction and wellbeing, promote inclusivity, and enrich social vibrancy.

### Climate Change Impact

We can reduce the impact of our work on climate change by improving operational efficiency, promoting renewable energy, and choosing construction materials with low embodied carbon.

### Resilience and Passive Survivability

In response to the increasing frequency of extreme weather events, we design resilient buildings that incorporate passive survivability. This enables critical life-support conditions to

be maintained in the event of extended loss of power, heating fuel, or water, and continued shelter of building occupants for an extended period. We use predictive weather files to assure that this will be the case not only today, but also in the future.

### Benchmarking

We use life cycle cost analysis to evaluate and compare the long-term performance of design strategies. We compare strategies against multiple types of benchmarks including energy consumption, carbon footprint, and impact on health and wellness.

### Community Engagement

We are committed to capturing the needs of the local communities in which we work and in which our projects are built. We work closely with clients and communities to devise outreach strategies that seamlessly tie into our design process and project approach, and we make sure that the people doing the outreach can connect with community members and stakeholders in a trustworthy and empowering way. We believe that involvement of the community strengthens the design process and overall success of each project.

# SETTING GOALS:

WE FRAME AROUND UNITED NATIONS GLOBAL GOALS 2018



The United Nations has developed a series of 17 Sustainable Development Goals to transform the world. We use these as a framework for our own goals, both for our projects and our operations.

**We have chosen 5 of these which we feel are most directly applicable to our work:**

**Good Health and Wellbeing:** We are committed to designing healthy places to work and live that provide good indoor environmental quality, and connection to nature, and that promote activity.

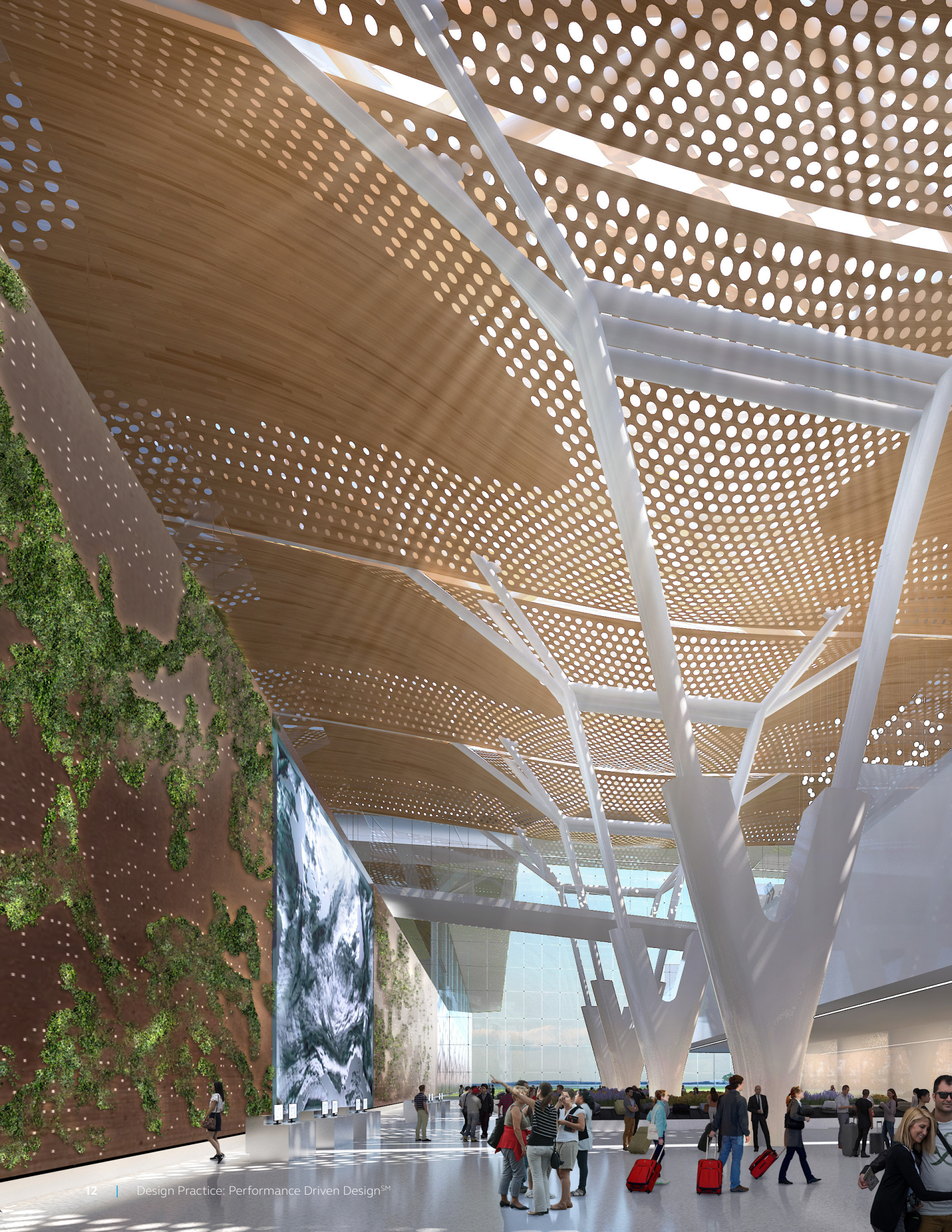
**Affordable and Clean Energy:** We must reduce the energy consumption of our projects while also utilizing clean, renewable energy.

**Reduced Inequalities:** Social and economic equity are essential components of a sustainable future and the fight against climate change. We must evaluate the social impact of our own operations as well as of our project work.

**Sustainable Cities and Communities:** No project exists in a vacuum—we must evaluate the impact of our work on surrounding communities.

**Climate Action:** Buildings and their construction account for 36% of global energy use and 39% of energy-related CO2 emissions annually, according to the UN Environment Programme. As a large global firm, we have a responsibility to be part of the solution to climate change and to work towards net zero energy and net zero carbon for our projects and operations.





## CASE STUDIES

PDD can be adapted to the unique circumstances of any project while supporting the needs of all our teams and clients. The following pages include examples of how we have done that.





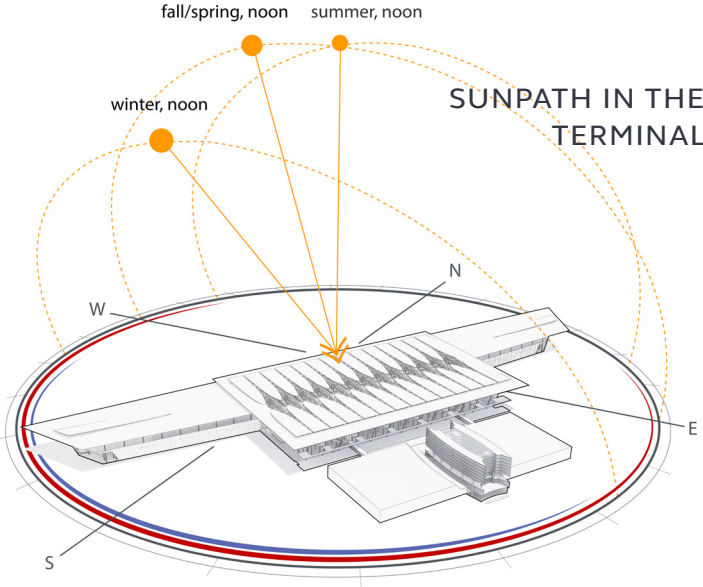
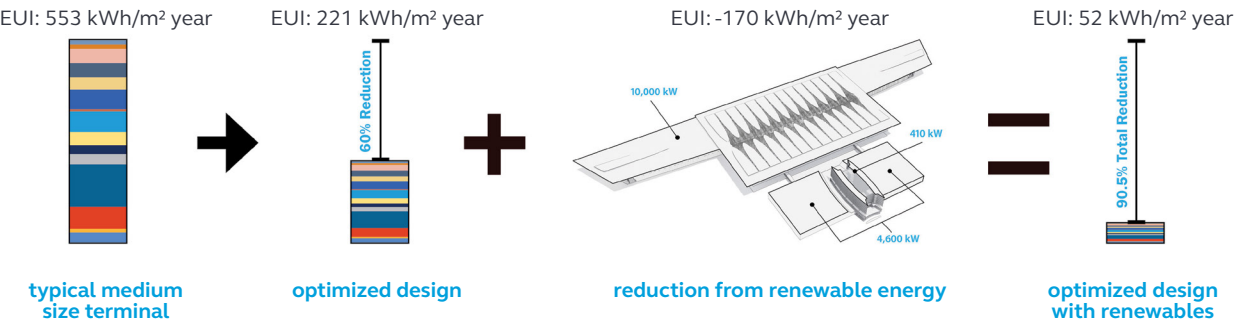
# GUADALAJARA AIRPORT TERMINAL 2

MEXICO

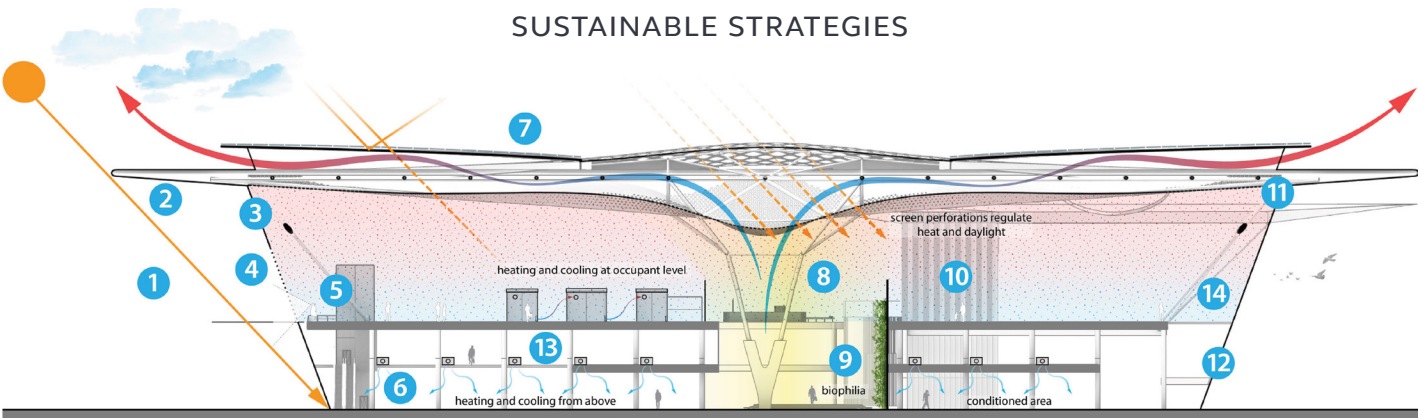
By monitoring the most stressful parts of travel (such as ticketing and security), designers are strategically including stress-relieving design elements, like biophilic plant features, to ease commute. The landscaping flows into the building with displays of local flora as well as large glass windows to invite in the mountains that surround it. Additionally, designers are including luxurious passenger amenities like a spa, gym, prayer and meditation rooms and local art infusions. Local Mexican culture is also a key design element in the

terminal—from canyon-like ceilings to agave-inspired structural features. Designers also plan to feature two local art galleries in the space, both of which showcase a variety of art from abstract to interactive media. Perhaps most importantly, CallisonRTKL is striving to make Guadalajara one of the first net zero airports in the world. With research-backed, sustainable design strategies like solar energy harvest points and the roof’s mechanical cooling systems, designers plan to reduce the airport’s energy use and achieve net zero emissions.

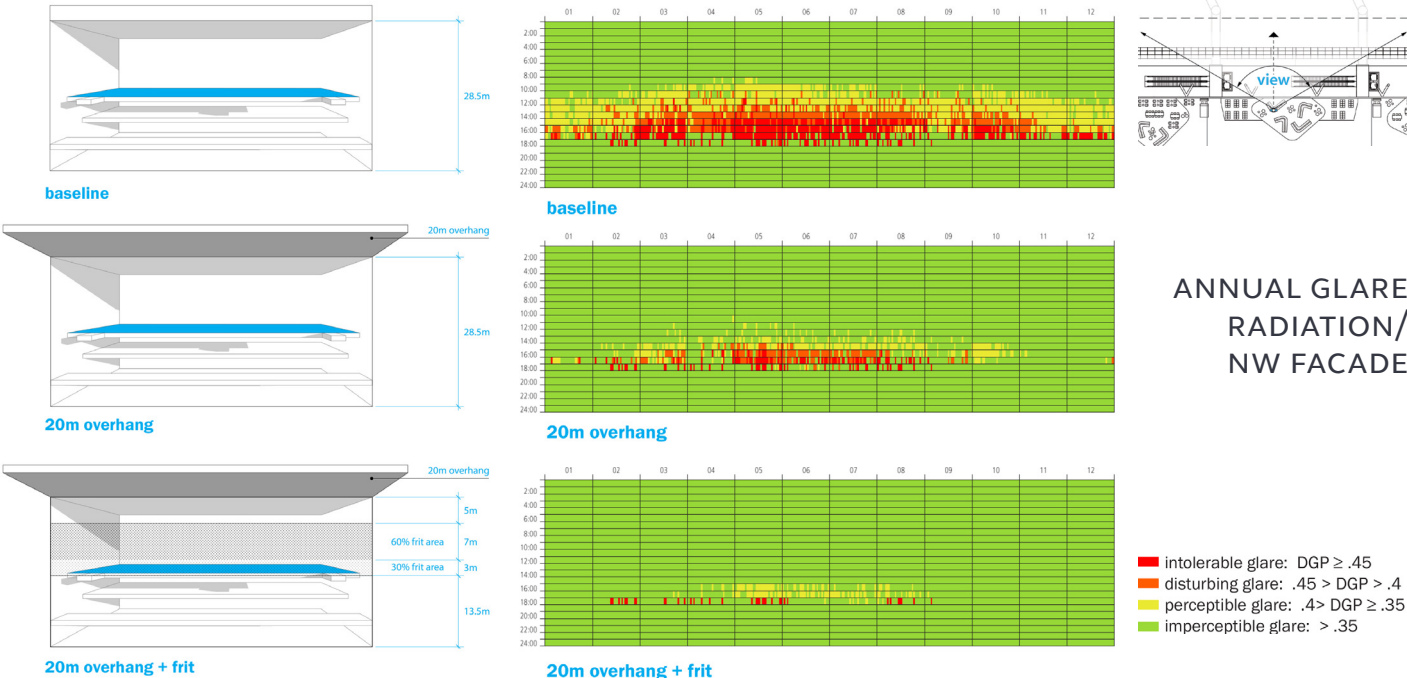
## ZERO NET ENERGY IN TERMINAL 2



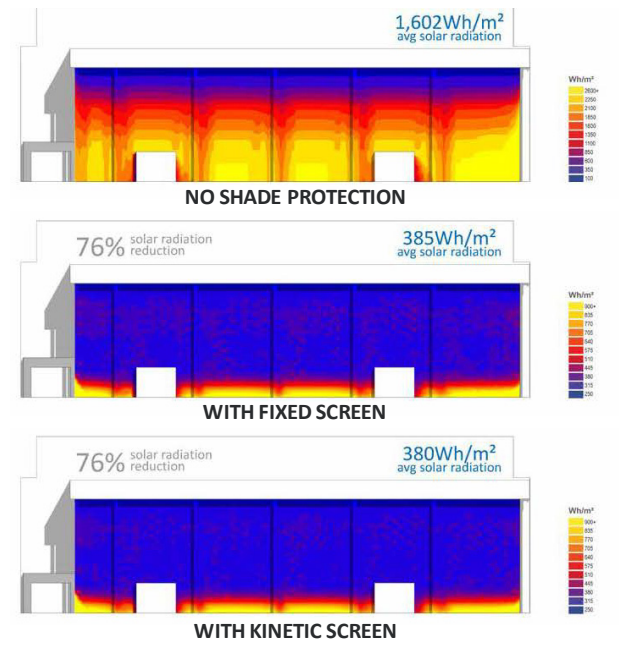
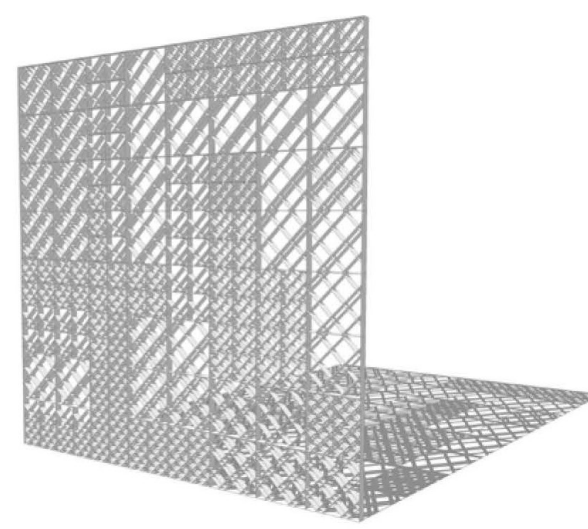
## SUSTAINABLE STRATEGIES



- |                            |   |                     |                               |                                 |
|----------------------------|---|---------------------|-------------------------------|---------------------------------|
| 1 SOLAR RESPONSIVE         | 4 GLARE CONTROL                           | 7 RENEWABLE ENERGY  | 10 HEALTHY MATERIALS          | 13 EFFICIENT MECHANICAL SYSTEMS |
| 2 SHADE                    | 5 VIEWS                                   | 8 FILTERED DAYLIGHT | 11 HIGH PERFORMANCE ENVELOPES | 14 CONNECTION TO OUTDOORS       |
| 3 HIDE PERFORMANCE GLAZING | 6 WATER EFFICIENT APPLIANCES AND FIXTURES | 9 GREEN WALLS       | 12 NATURAL VENTILATION        |                                 |



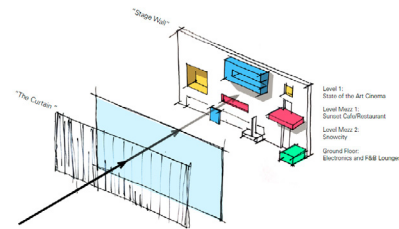




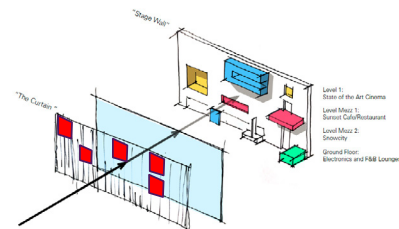
## KHIRAN PEARL CITY MARINA

KUWAIT

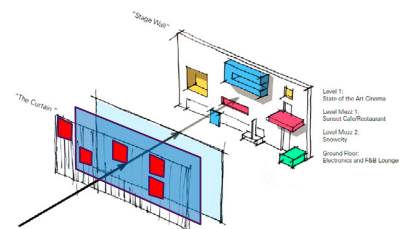
Combining upscale retail, offices and entertainment, 360 MALL's striking design elements, state-of-the-art technology and circular layout have garnered multiple awards and have made it one of the top luxury shopping centers in the Middle East. While interactivity, social media and other high-tech elements look to the future, the circular design of the center is configured as a journey that celebrates Kuwait's past and the Arabic art of navigation.



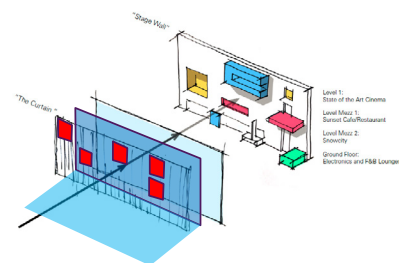
FACADE PROPOSAL



IMPROVE SOLAR CONTROL



COOL THE AIR CLOSE TO WINDOW



COOL THE GROUND IN FRONT







## RAS EL HEKMA

EGYPT

With only 10 years left to achieve the UN Sustainable Development Goals (SDGs), increased region-wide efforts to address these pressing challenges have been prioritized. Through collaborations between the public and private sectors, countries in the region have already embedded the SDGs into their policy planning and put in place the necessary building blocks that address sustainability challenges effectively. Initiatives put in place by governmental bodies in the region strive to ensure sustainable development while preserving the environment, namely focusing on improving quality of air, increasing contribution of clean energy, and preserving natural resources, while fostering real economic growth and social development.

In cooperation with the United Nations Human Settlements Programme (UN-Habitat), CallisonRTKL has recently completed a strategic master plan for Ras El Hekma, a 200 sq km region along Egypt's Mediterranean coast. Based on the UN SDGs, Ras El Hekma is planned to foster economic development via creating opportunities for eco-sensitive tourism, while at the same time investing in the development of existing indigenous communities and resources. While conserving the existing natural amenities and resources, the master plan creates an attractive destination for up to fifty hotels projected to attract up to three million tourists annually.

At the same time, new communities are planned with homes for about 100,000 residents, and so is investment in the improvement of existing settlements. Driven by smart technology and development of renewable energy resources, CallisonRTKL's plan for Ras El Hekma will address fundamental standard of living problems that are urban communities face in the region. We hope that this project, which adheres to the principles of the UN's Sustainable Development Goals, can be a model for similar initiatives coming up around our developing world.







## 101 CENTRAL BOULEVARD SINGAPORE

SINGAPORE

The proposed strategy for 101 Central Boulevard placed sustainability and efficiency at the forefront of the design, creating a new node in the city that strives to connect pedestrians with green space and retail. The massing responds to the contextual limitations creating an efficient tower floor plate, a large amenity podium, and a chamfered design to maximize view corridors towards the north and south. Integrated with an open space concept on the ground level, vertical and horizontal pedestrian connections bring people off the street and up to an elevated park and amenity level to activate the entire site.

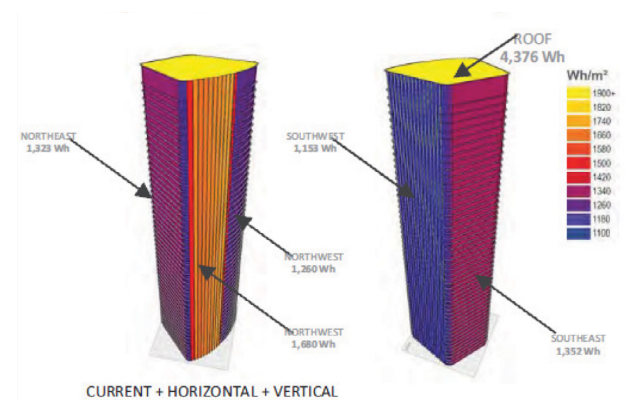
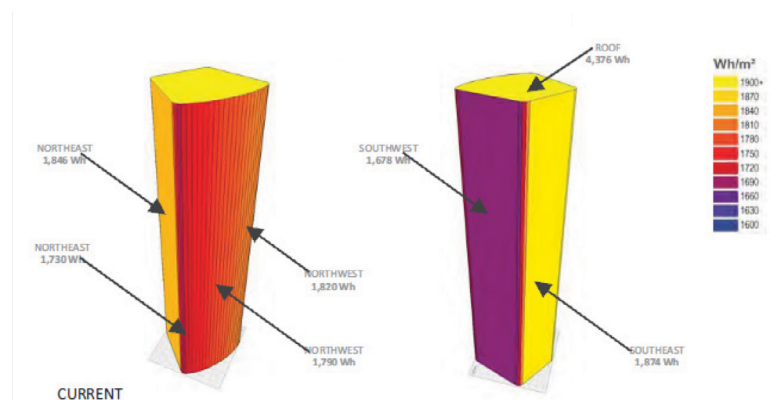
Due to its equatorial location, performance drives design strategies were implemented to reduce solar heat gain, resulting in a lower mechanical load. The final design utilized vertical and horizontal emphasis on the fenestration, a high-performance unitized glazing system with a gradient frit pattern and led to a dynamic building façade, creating variation and mimicking movement across the surface.



## FOUR SEASONS PRIVATE RESIDENCES

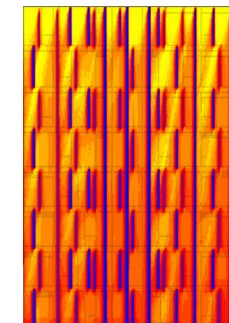
LOS ANGELES

CallisonRTKL is designing this mid-rise development, which features a mid-century-modern-inspired exterior of minimal lines and floor-to-ceiling glass. Each residence will have an open floor plan and a private outdoor space. Onsite amenities include a 1,600-square-foot fitness center, a pool terrace with cabanas, an IMAX Private Theater Palais™, and 24-hour concierge managed by Four Seasons. Residents will also have access to the amenities at the Four Seasons Hotel at Beverly Hills, which is located next door to the property.

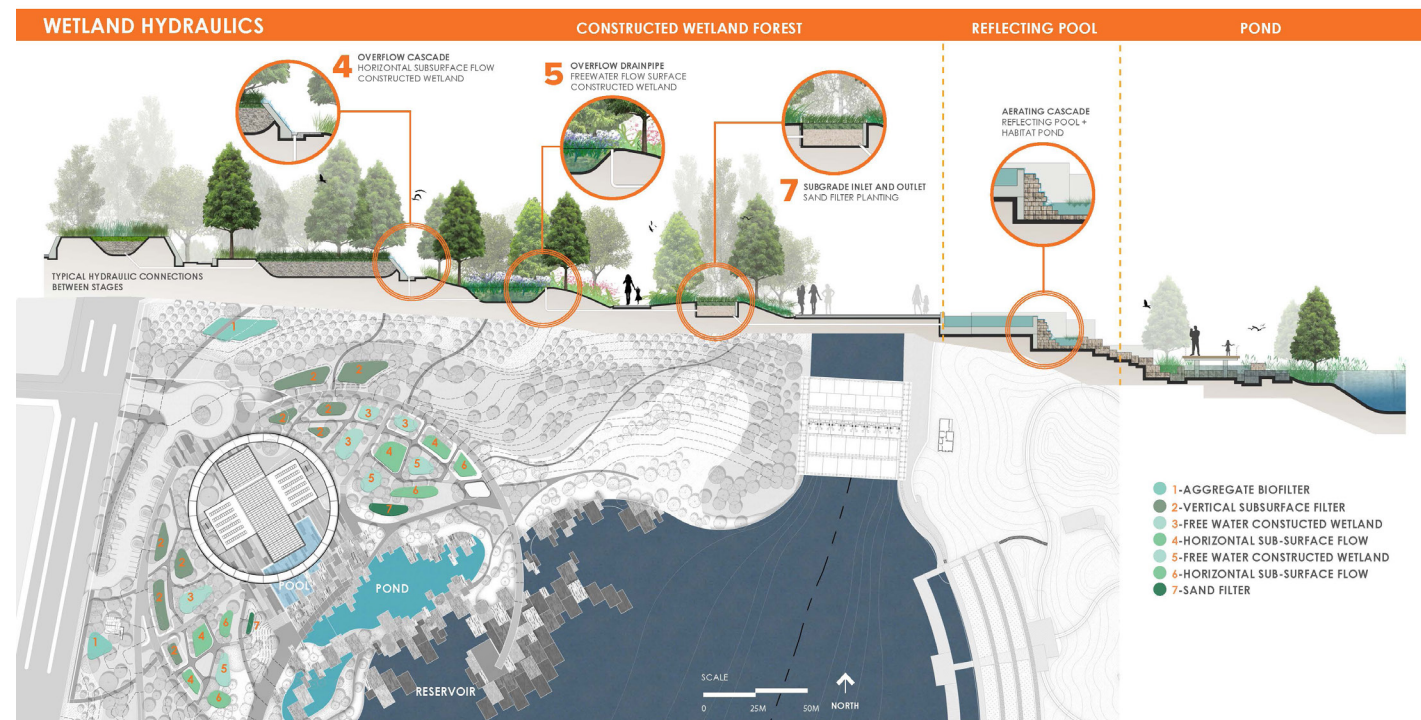


### WEST FAÇADE

8" Fins  
Avg. Daily Radiation: 2450 Wh  
Reduction from Baseline: 25%







## ZHENGZHOU HUB

CHINA

In the design of an exhibition center, it is often a hallmark to create a concept that is indicative of the development and its core mission. For OCT's latest development in the western edge of Zhengzhou, the core value of creating a community that enhances the natural landscape continues a longstanding mission for the company to express and grow the culture of China through thoughtful and engaging practices. This comes at a highly critical time for a city, whose natural wetlands and agricultural landscape have depleted dramatically over the last twenty years, a product of increased urbanization.

Working in partnership with landscape firm Delineator, we sought to create a front door to a newly formed wetland that acts as a steward to the environment through education and thoughtful architecture and landscape integration.

The program establishes one of the first true Audubon Centers in China, through engaging exhibits on the history and anatomy of the wetlands, programming, and its year-round observation of the park. The very concept of the building reflects

the connection and observation of the landscape physically, embracing scale and response to give all ages of visitors a captivating view and experience. The public promenade and waterfront complement an experiential ring above that educates visitors on the entire tapestry of the landscape and its processes. Connective pathways provide hierarchy and lead visitors through a transect from highland forest, through wetland terraces and down to the water's edge.

As an overall development, nearly half of the landscape returns to the public, promoting a reinvigoration of the natural systems and fauna. The goal is to bring back the lost ecologies from the site that were impacted by development 15 years ago. Our strategy stressed a careful grading/terracing that will allow water to filter to collection bodies. Overall, however the systems will feel like one large move, surrounding the architecture. The forms stem from the move of "inserting" the architecture into the landscape, allowing for visitors to experience a full transect of forest (high elevation) to terracing that allows for the cleansing and collection of water.







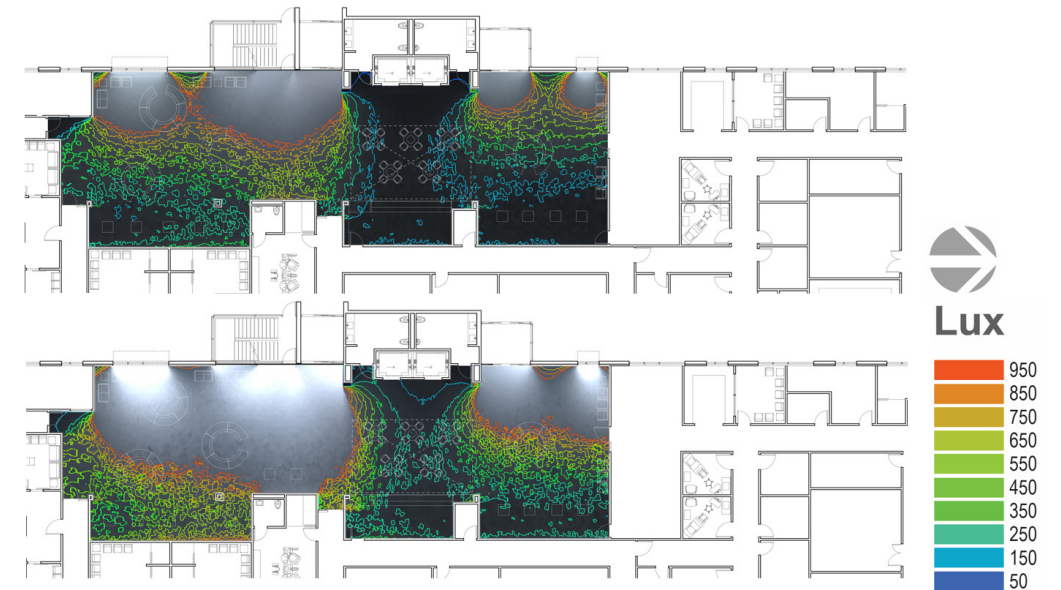
## PROVIDENCE BREEZE ADVANCED AMBULATORY

CALIFORNIA, USA

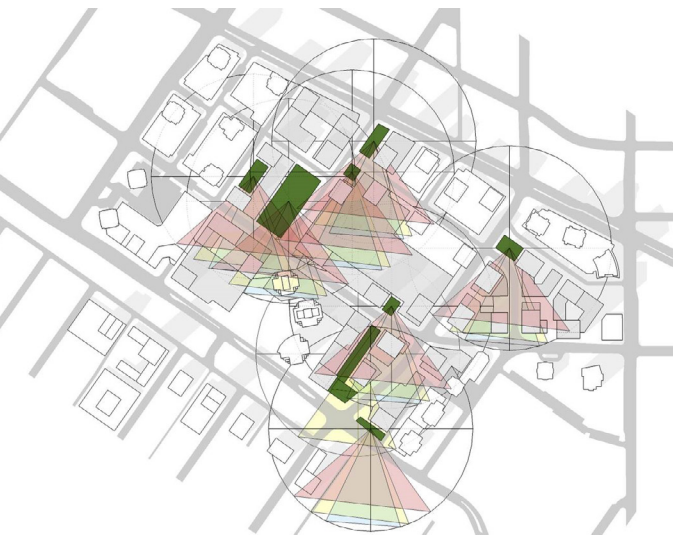
When Providence relocated their System Office from an urban high rise to a suburban campus setting, creating a sense of community and connectivity was paramount. Designed to LEED Gold specifications, the new headquarters houses more than 300 employees and serves as a hub for employees traveling from other regional offices. On-site amenities include a cafe, fitness

center, chapel and courtyard. The open floor plan maximizes daylighting while providing a flexible work environment that can expand as needs evolve. Touch-down kiosks, colorful wayfinding elements and a state-of-the-art conference center make the campus accessible and ideally suited to hosting system-wide meetings and events.

SEPT. 21  
AT 9:00 AM



SEPT. 21  
AT 3:00 PM



## METROPOLIS AT METROTOWN MASTERPLAN AND DEVELOPMENT

BRITISH COLUMBIA, CANADA

Located in Burnaby, British Columbia, Metropolis at Metrotown is one of the largest and most successful regional shopping centers in Canada. CallisonRTKL, partnering with Stantec, was commissioned to develop a long-range master plan for the 40+ acre site. The goal is to strategically reconnect the city grid through the site to create redevelopment parcels that support a range of dense, walkable mixed-use buildings while retaining the core of the original retail center as the heart of the development.

The resulting master plan is an ambitious strategy that contemplates four phases of development over the next 70 years. Each major phase of development is tied to the lease end date of an anchor, triggering redevelopment. By removing the anchors and replacing them with urban streets and an open-space framework, Metropolis at Metrotown gradually transitions from an inwardly-focused retail center to an active and engaging downtown.

The design features a direct link to natural elements in their look and feel—moving away from an institutional feel to one that encourages comfort through improved access to sunlight and outdoor spaces, and an enhanced user experience.







## GRAND HYATT KUWAIT

KUWAIT

The Grand Hyatt Hotel is part of the Kuwait International Tennis Complex-- located on the Sixth Ring Road near the intersection of King Faisal Road in Kuwait. The hotel, featuring nine floors of guestrooms, is situated on the southwest corner of the site where it is highly visible from the highway. This positioning provides for maximum visibility to cars passing by and orientates views out from the guestrooms to the outdoor tennis courts and surrounding landscape.

In order to overcome a disadvantaged site orientation and create a recognizable identity for the flagship hotel, the design team utilized a building form inspired by nature to create a self-shading façade. The palm, here, is richly significant as it symbolizes rest and hospitality in Islamic culture. The palm is also a recognizable vertical element in the barren desert landscape-- providing shade and protection from the harsh climate. Drawing on the function and symbolism of the palm, the angular design of the hotel tower façade creates a self-shading building with a strong identity. A fusion of high-performance and natural beauty create a striking view of the hotel from the highway while maximizing views out for guests and minimizing heat gain on the façade.

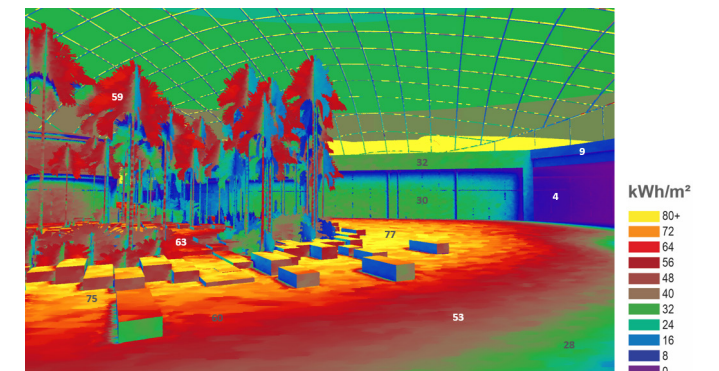
Thanks to data gathered from numerous studies, we decided to implement a 15 degree incline for the guestroom glazing system-- reducing our solar heat gain by 25 percent. The system was unitized to ensure accurate and timely construction on site that would meet the project goals relating to time and long-term cost reduction. Additionally, a series of vertical fins between the guestroom bays further reduce heat gain by shading the sunniest portions of the tower. The fins were designed with changing profiles that gradually deepen towards the west end of the façade to provide additional protection from the late afternoon sun.



## 360 MALL EXTENSION

KUWAIT

The Shaikh Jaber Al Abdullah Al Jaber Al Sabah International Tennis Complex and Rafa Nadal Academy opened in February-- putting Kuwait on the international tennis map. The tennis complex features a 5,000-seat multipurpose arena, a world-class Tennis Academy with a 1,500-seat center court, 18 indoor and outdoor tennis courts and 4,400 parking spaces. The project is a major anchor of a larger mixed-use retail, office, leisure and sports destination designed by CallisonRTKL and developed by Tamdeen Group. The project uses a series of rich and natural materials to reflect the local Kuwaiti culture and context in a uniquely modern way. The curving forms and sweeping lines of the facade, which appear to emanate from the Arena, reflect the dynamic movement of the players during a tennis match.



47% HEAT REDUCTION  
IN SOLAR HEAT GAIN







# KAUNAS CONCERT CENTRE

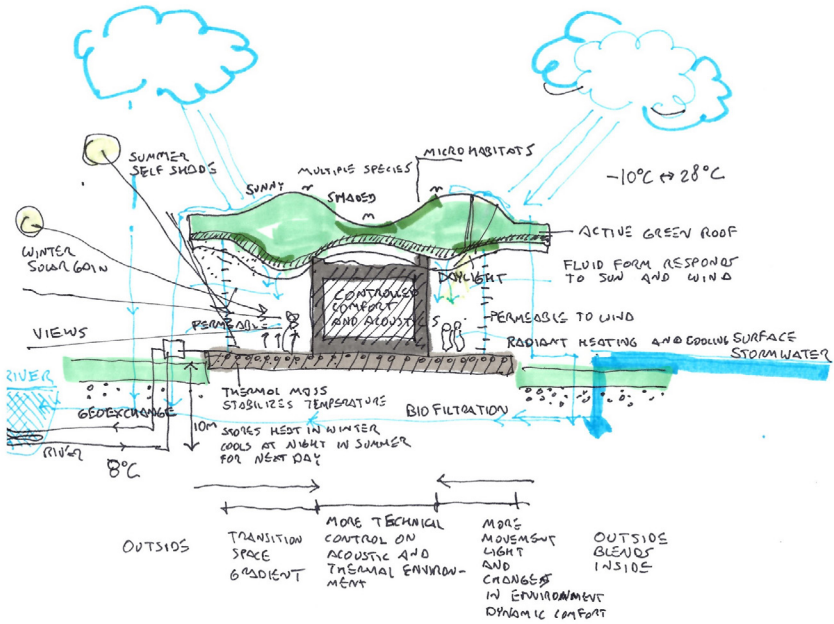
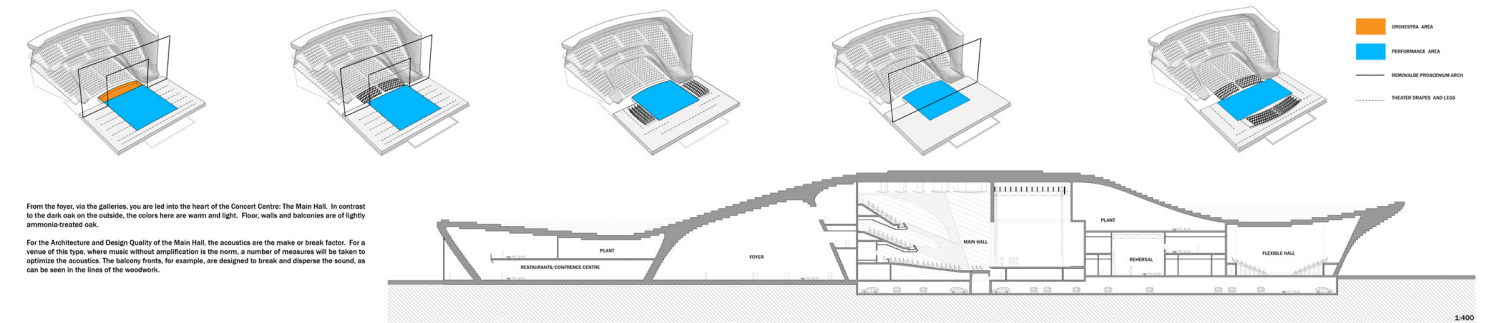
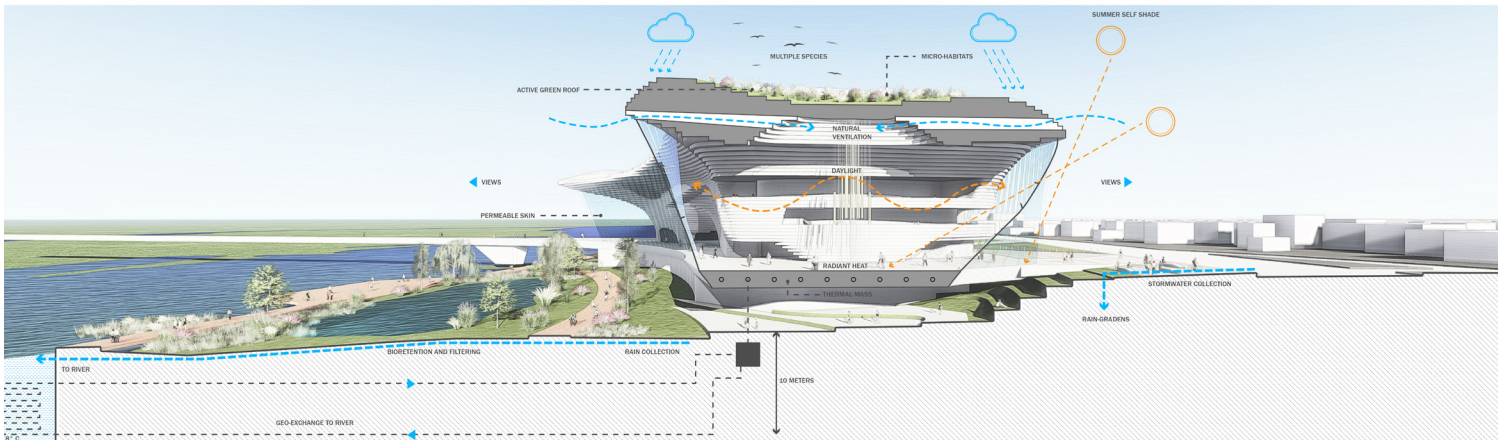
## INTERNATIONAL COMPETITION

The Kaunas Concert Centre project was created to reinforce a shift in the City of Kaunas from industry to culture. The new building is meant to serve as a catalyst for both growth and regeneration-- allowing the City to rethink its relationship with its famous river.

The form of the building is a direct response to the surrounding context and programmatic functions. Drawing inspiration from the oak tree, a national symbol of strength and longevity, the layered design abstracts the rings of the tree--which chronicle the rich history and future growth of the City.

The design proposes a welcoming building that simultaneously connects the community, strengthens its rich culture and heals the environment. The resulting solution is a layered design that acts as a mediator between the urban and natural environment to connect both new and historic parts of the City.

Passive sustainable strategies and systems are integral to the design of the building. The concert hall and park, for example, use a singular design to achieve multiple goals. Not only do they serve as an amenity for the surrounding community, but they are also a natural collector and biofilter, which will control pollution from the adjacent environment and recover the natural riparian systems.





# TRACKING OUR PERFORMANCE

## AIA 2030

CallisonRTKL has been a signatory of the AIA 2030 Commitment since 2009; as part of this commitment we report the energy performance of our projects each year. We reported data of 345 projects representing over 220 million square feet of work from all of our offices across the globe for the 2018 calendar year. Our reporting for the 2019 calendar year is under way, and we expect to report over 300 projects representing over 200 million square feet of work.

With such a large body of work comes great responsibility; by reducing the energy consumption of our projects we have the opportunity to help reduce the impacts of climate change in the regions in which we work. In order to reduce our projects' energy consumption, we first need to quantify it – that is why we are committed to gathering energy data for every project regardless of how well each project performs.



## Sustainability Certifications

CallisonRTKL offers sustainability certification services internationally utilizing virtually all existing certification systems.

Sustainable building rating and certification systems utilize an integrated design process to generate projects that are environmentally responsible and resource efficient throughout a building's life-cycle: from schematics to design, construction, operation, maintenance, renovation, and demolition.

Some systems are single attribute, meaning they focus solely on energy, recycling, or water, while others are multi-attribute addressing carbon, toxicity, and overall environmental performance. The approach, certification type, and philosophy method may differ across these the systems, but a common attribute of projects certified within these frameworks is an intention to reduce the overall impact of the built environment on human health and the natural environment.

Sustainable building rating systems exist to address every project type from single commercial buildings to entire neighborhoods and are available for new

construction, which include focusing on decisions made in the planning and design process and decisions made through construction, as well as for existing buildings, which encompass operations and maintenance throughout the lifecycle of the building.

Sustainable building rating and certification systems are proven marketing and educational tools for owners, designers, and construction teams as they navigate the process of delivering high performance regenerative buildings while at the same time incentivizing clients, owners, designers, and contractors to utilize sustainable design and construction practices.

CallisonRTKL has expertise executing the most well-known sustainable building rating systems such as **LEED**, **BREEAM**, **WELL**, **BOMA 360**, **GRESB**, **Estidama**, **CASBEE**, **BEAM**, as well as emerging systems such as **LOTUS**, **Green Ship of the Future**, **BERDE**, **Green Building Index** and **Green Mark**. Remaining on the cutting edge of existing and new certification systems enables CallisonRTKL to provide clients the most comprehensive range of options and insights for their projects anywhere in the world.







### Our Certifications

LEED is the most widely recognized building certification system used across the globe. Our LEED certified projects span 5 continents and range in size from small tenant improvement projects to large master plans.



## STAFF TRAINING

As part of doing what we do better, we have initiated a staff sustainability awareness and training program with different learning paths and levels. This training is available through an online platform with both live and recorded training sessions.





# 2

## BUSINESS OPERATIONS

### REDUCTION OF CARBON EMISSIONS

We want to reduce the impact of our design practice on the planet, especially on climate change. Our target is to be Net Zero Carbon for our own business operations by the end of 2021. This will contribute to the Paris Agreement's goal of keeping climate change well below 1.5° C.

#### We will achieve this goal through several strategies:



NET ZERO  
OPERATION BY

2021

- Insetting: Embed GHG emissions reductions into our supply chain through investment and partnership with entities engaged in GHG emissions-reducing activities
- Natural Climate Solutions: Conservation, restoration and land management activities that increase carbon storage and/or avoid GHG emissions across global forests, wetlands, grasslands and agricultural lands
- Mitigation: Increased energy efficiency, renewable energy, carbon capture and storage
- Offsetting: Partnership or investment in a GHG emissions reducing activity to compensate for emissions produced
- "What we are doing now": Office initiatives such as recycled paper; reusable dishes, cups and water bottles; recycling and composting policy education

### CORPORATE SOCIAL RESPONSIBILITY

We strive to implement policies, programs, and practices which enrich our culture and promote diversity, equity, and inclusivity, and enhance community stewardship at every level - from local to global.

#### Just Label

We are examining our business practice through a social and governance lens with the JUST label, an organizational disclosure tool and transparency platform administered by the International Living Future Institute (ILFI). As a large firm, we want to use our scale to make a bigger positive impact and not let size get in the way of change. We're looking internally at diversity, engagement, equity, health and benefits, and outward at how our business interacts with the communities around us.

Bringing these priorities to the surface and internalizing them as part of our HR, financial, and procurement practices embeds this mindset into office culture and evolves/enhances our pathways to measure success as an organization. It's good for business and it's good for people - we know that's inseparable.

This process will help us quantify where we are doing a really good job along with what we want to improve, and where there is further nuance we want to uncover. Using this framework helps set paths in motion for systemic change in the A/E industry. While we are just beginning, we are excited for the opportunity to channel the many ongoing efforts to measure what matters and empower people across the CallisonRTKL network to take part.

Across a firm that spans regions and cultural contexts, JUST helps us start assemble the mosaic through which CallisonRTKL hopes to shape a fulfilling, equitable, and proactive firm.







# 3 THOUGHT LEADERSHIP

We believe that a design practice must be informed by research. Our practice values research, and we consider it a part of how we design and develop projects. We also partner with organizations that are equipped to do research. We are Industry Advisory Board members of UC Berkeley's Center for the Built Environment (CBE). CBE's partners are a diverse set of industry and government organizations. Our work with CBE focuses on relevant and timely topics. As partners, we have the opportunity to advise and get involved in CBE research activities.



CONFERENCE PRESENTATIONS



PUBLISHED PAPER/JOURNAL ARTICLES



PRESENTATIONS/ SEMINARS

## Published Papers / Journal Articles

We publish and share our research in peer-reviewed international technical and scientific journals and conference proceedings.

## Presentations

In an effort to move our industry towards sustainability, we have devoted ourselves over this past year to thought leadership. Many of our employees have participated in and presented CallisonRTKL's sustainability initiatives at a variety of conferences throughout the year, including Greenbuild, AIA National Conference, the ULI Meeting, the Center for the Built Environment Conference (keynote), the GreenBiz Innovation Forum, Dwell on Design, The Passive Low Energy Architecture Conference PLEA, National Science Foundation (NSF) Funded National Workshop on Environmental Sustainability Research (keynote),

Comfort at the Extremes Dubai (keynote), Los Angeles Municipal Green Building Conference, Reynolds Symposium and many more. We have presented on resiliency, big data, green retail, the evolution of green building, aesthetics and sustainability, material health and others. We also have published many essays, on our own blog "You Are Here," as well as the Huffington Post, GreenSource, Metropolis, Design Intelligence and other venues.

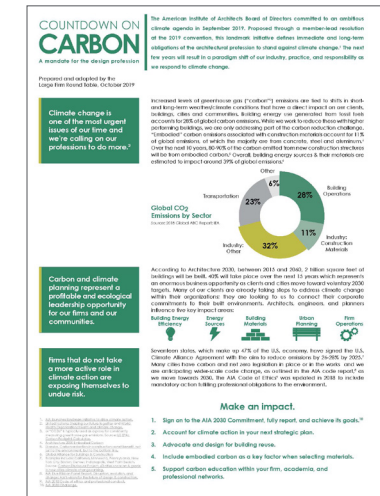
We continue to expand our expertise through involvement in competitions that strive to push the envelope. We will continue to increase our thought leadership through continued participation in important conferences, blogs, white papers, competitions and committee leadership.



[Link to Guide](#)

## AIA Architect's Guide to Building Performance

CallisonRTKL was part of the task force that developed The new Architect's Guide to Building Performance. This guide helps architects better integrate building simulation into their design process.



[Link to Carbon One Pager](#)

## Countdown to Carbon

CallisonRTKL was part of the Large Firm Roundtable team that developed the countdown to carbon document that introduces issues and project opportunities to reduce building emissions.



# 4 GIVING BACK

We believe in connecting with our local communities and giving back. Our staff is involved in different events and competitions that help our local or global communities.

Given the history and breadth of our practice, we have developed long-standing relationships with many minority- or women-owned businesses as well as small-business-designated organizations. We are happy to comply with any mandated or preferred team inclusions and regularly do as much on the many projects we do for public, institutional or academic clients.

CallisonRTKL expects all employees to conduct themselves as global citizens. One way we do this is by supporting the more organic and grass roots efforts of our employees. A few initiatives worth mentioning:

**Cycle for Survival:** Every year CallisonRTKL fields teams from multiple offices to participate in this charitable event to help beat rare cancers.

**JDRF Real Estate Games:** CallisonRTKL is an annual sponsor and participant in this sport-related fundraiser for juvenile diabetes research.

**JDRF Sheraton Gingerbread Village:** CallisonRTKL is an annual participant in the Gingerbread Village fundraiser for JDRF, held at the Grand Sheraton in Seattle. A Seattle tradition for 27 years; architects throughout the city donate their time and design skills to build elaborate gingerbread houses in partnership with the chefs of the Sheraton.

**Canstruction:** An annual event throughout the United States focused at raising awareness about hunger. Multiple CallisonRTKL teams compete in different cities to create massive can sculptures. CallisonRTKL donates design time, administrative support and participation in local food banks.

**United Way:** CallisonRTKL is a corporate sponsor for United Way, providing sweat equity for the campaign as well as a sizable donation on top of employee contributions.

**Spark Week:** An annual week-long event where each CallisonRTKL office develops a program of study, outreach and action to spark ideas and solutions to the challenges our communities face. Teams are expected to be active, engaged participants.

**Angel Tree Sponsor:** Annually, CallisonRTKL sponsors multiple children in the community whose families are struggling financially to provide gifts for the holidays. As humans, it is our duty to be kind and understand that a small gesture can go a long way.

**Cosmo Couture:** Every year CallisonRTKL participates in one of IIDA's fundraising events where Architects and Interior Designers partner with a manufacturing firm using only that firm's products to create a garment reflecting a theme. A portion of the proceeds are donated to a beneficiary announced that year.

**Education Stipend:** Every full-time employee is given a \$2,000 stipend (per annum) to put toward a class or coursework on a job-related subject.





**For Daylight Hour:** On June 21, 2019, our Los Angeles, New York, DC, London and Mexico City, turned our lights off for one hour to make a global impact on energy consumption in the environment.

**Corazon:** Corazon is a non-profit organization the builds housing in Mexico. Our LA office worked with them to develop a center in Tecate for the Cerro Azul community.

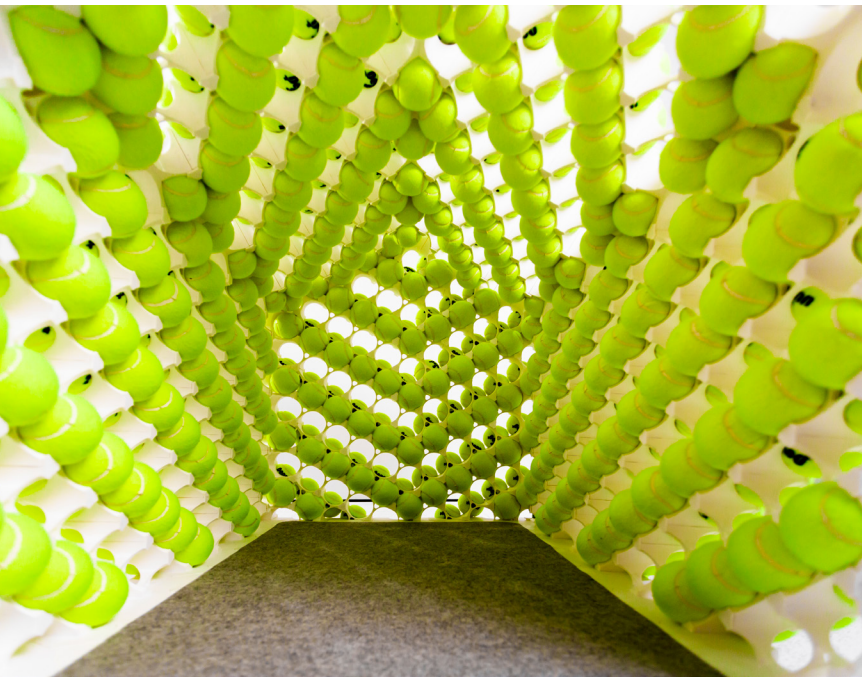
**Factor-H:** In collaboration with Cal Poly Pomona, our LA office worked with Factor-H to design a center for people with Huntington's disease in South America.

**FridaysForFuture:** The CallisonRTKL LA office joined the thousands of protestors in Pershing Square in downtown LA late September of 2019. Greta Thunberg, the 17-year-old Swedish environmental activist, encouraged a global community to gather for #FridaysforFuture to spread awareness of climate change and the continual threat of an existential crisis. Many of the LA team members appreciated being a part of this monumental occasion and share love for the environment.

**ACE Mentoring:** Our LA and Seattle offices are both active in the ACE mentoring program, organizing and conducting activities for high school students to teach them about architecture, engineering, and construction. This year our LA office worked with St. Mary's Academy all-girls school in Inglewood, CA to create a public pavilion near the LA coliseum. We, along with representatives from construction, engineering and other architectural firms, have been guiding the students through programming, architectural design, interior design, MEP and structural coordination of their pavilion.







### Sponsorship with the SPCA Texas

CallisonRTKL constructed the Fetch House out of over 1,000 tennis balls and bespoke 3D-printed material for the Bark + Build Luxury Dog House/ Design Competition. The SPCA raised approximately \$16,000 in retail sales and \$90,000 through this event. In addition, more than 234 pets found their fur-ever homes at NorthPark Center over the holidays.



## ORGANIZATIONS THAT WE GIVE BACK TO

CallisonRTKL has a strong commitment to local service. We are a global firm, but it is very important for us to maintain our local connection. Here is a list of just some of the organizations we have partnered with to provide service to our local communities in the past year:

- ACE Mentoring
- A&D Museum
- AIA Retrospect
- Angel Tree Program
- Angeles Forest Trail Repair
- A Place to Go
- Architecture in the Schools
- Artists V. Architects
- Autism Speaks
- Bark + Build
- Beach Cleaning
- Burnham Prize
- CallisonRTKL Toy Drives
- CANstruction
- Casey Trees Volunteer
- Catholic University Charrettes
- Children's Educational Charity
- CRE8
- DCBIA Community Improvement
- DesignCosmo Couture
- Design Mix
- Downtown Mission
- Dubai Cares: Rebuild the School
- Fabric
- F\*Cancer
- Festival of the Trees
- FIU Mentor Program
- Form Follows Fitness 5K
- Fridays for Future
- Furniture 4 Kids
- Give a Dog a Bone
- Habitat for Humanity
- Herman Miller Cat House
- IIDA Lavish
- JDRF Real Estate Games
- Latinos in Architecture
- Lighthouse for the Blind
- Little Free Libraries
- Make a Wish
- Medical Foster Care Program
- NAIOP Community Enhancement
- Open Source Architecture
- Park(ing) Day
- Pathways to Equity
- Race for Hope
- Rebuilding Together
- ReFortify
- Sandcastle Competition for Heal the Bay Foundation
- St. Agnes Gala
- Swap Don't Shop
- The Sameness Project
- University Tours of the Dallas Office
- We Care
- Women of Tomorrow
- Wreath Laying at ANC
- YMCA Stair Climb
- ZeroLandfill



# 5 OUR PARTNERSHIPS

Collaboration and dialogue with our peers is essential to advance the performance of the built environment - we all need to do our part in the generation and sharing of knowledge.

## We are members or sponsors of several organizations such as:

1. CBE Berkeley. Industry Partners (Industry Advisory Board)
2. USGBC. Silver Member
3. International Living Future Institute. Corporate Membership
4. Carbon Leadership Forum University of Washington
5. AIA COTE
6. BuildingGreen. Sustainable Design Leaders Peer Network

## In order to maximize our impact, we:

1. Signed onto the AIA 2030 Commitment and intend to fully report and achieve its goals.
2. Account for climate action in our next strategic plan.
3. Advocate and design for building reuse.
4. Include embodied carbon as a key factor when selecting materials.
5. Support carbon education within our firm, academia, and professional networks.





# CONTACT US



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