AtkinsRéalis

# Visionary design for a lasting impact

## Architecture & Masterplanning


Architecture services in Canada are offered through AtkinsRéalis Architecture & Design Canada inc.


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# WHO WE ARE

**AtkinsRéalis**, a world-class engineering services and nuclear organization. We connect people, data and technology to transform the world's infrastructure and energy systems.

Together, with our industry partners and clients, and our global team of consultants, designers, engineers and project managers, we can change the world and **engineer a better future for our planet and its people.**

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"We believe that great design has the power to transform people's lives. In this brochure you'll find a snapshot of our expertise, services and experience in Architecture & Masterplanning."

For further information visit: Atkinsrealis.com/architecture

# WHAT WE DO & WHY WE DO IT

# Our global design philosophy

## We believe that great design has the power to transform people's lives.

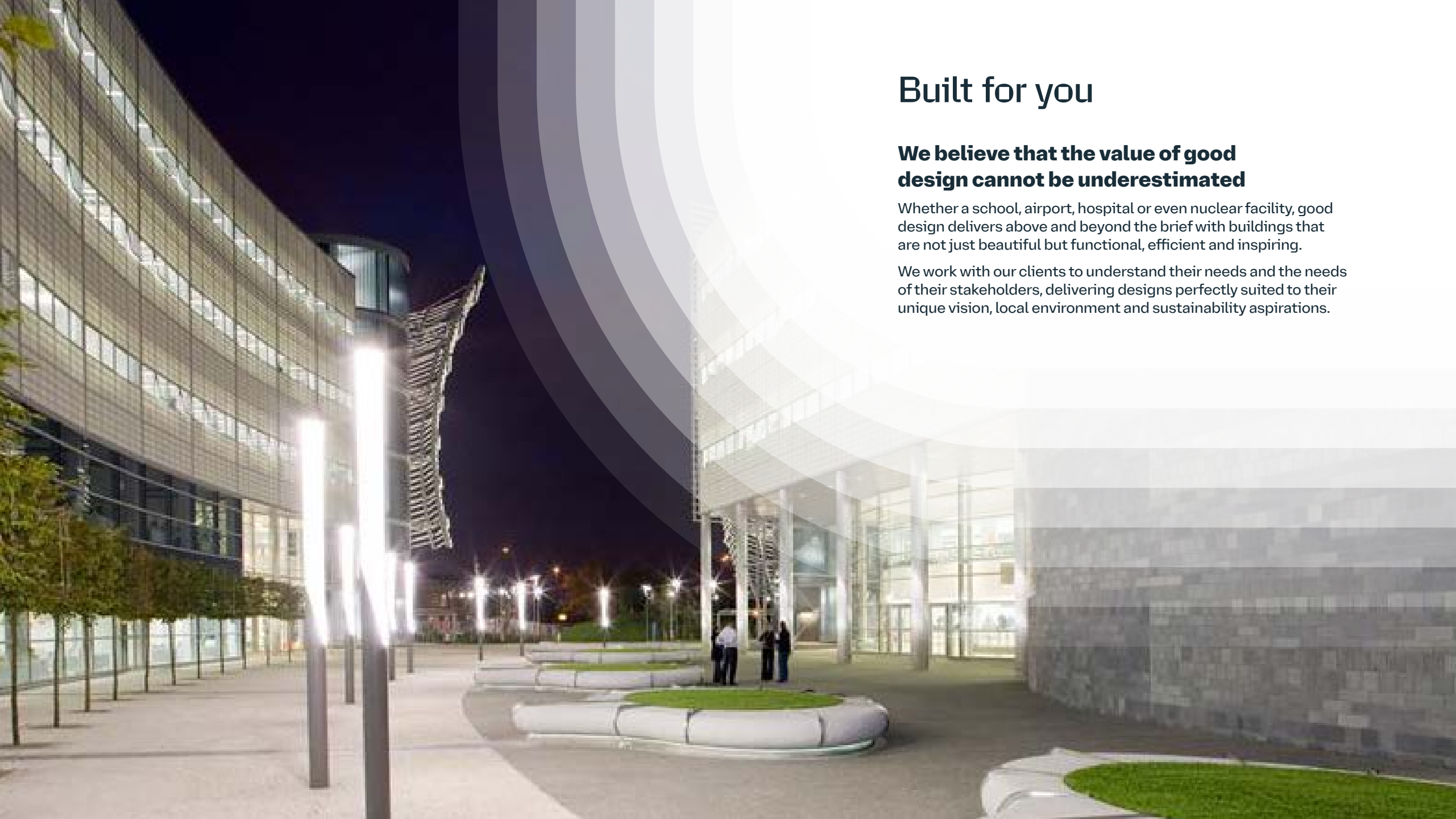
Through our global design philosophy, we strive to improve lives and communities and build a more sustainable and resilient world.

From the moment we wake up to the moment we go back to sleep design shapes our world. It impacts our wellbeing, our productivity, and our sense of purpose. And done right it can inspire generations and address many of the challenges of our increasingly complex world.

At AtkinsRéalis, we take a human-centric approach to design that always puts the end-user first. We work closely with clients to understand their needs and design intelligent, inspirational solutions that support their mission. As one of the largest architectural teams in the world, we bring together expertise and over 30,000 design, engineering and project management experts, to deliver end-to-end brilliance for outstanding designs that don't sacrifice utility for style.

## Design and engineering synergy. Making the complex simple. And the simple extraordinary.

By integrating architecture, masterplanning and engineering to create intelligent, inspirational solutions that address the complexities and demands of a more sustainable world, we add value to every project, every time.



# Built for you

## We believe that the value of good design cannot be underestimated

Whether a school, airport, hospital or even nuclear facility, good design delivers above and beyond the brief with buildings that are not just beautiful but functional, efficient and inspiring.

We work with our clients to understand their needs and the needs of their stakeholders, delivering designs perfectly suited to their unique vision, local environment and sustainability aspirations.

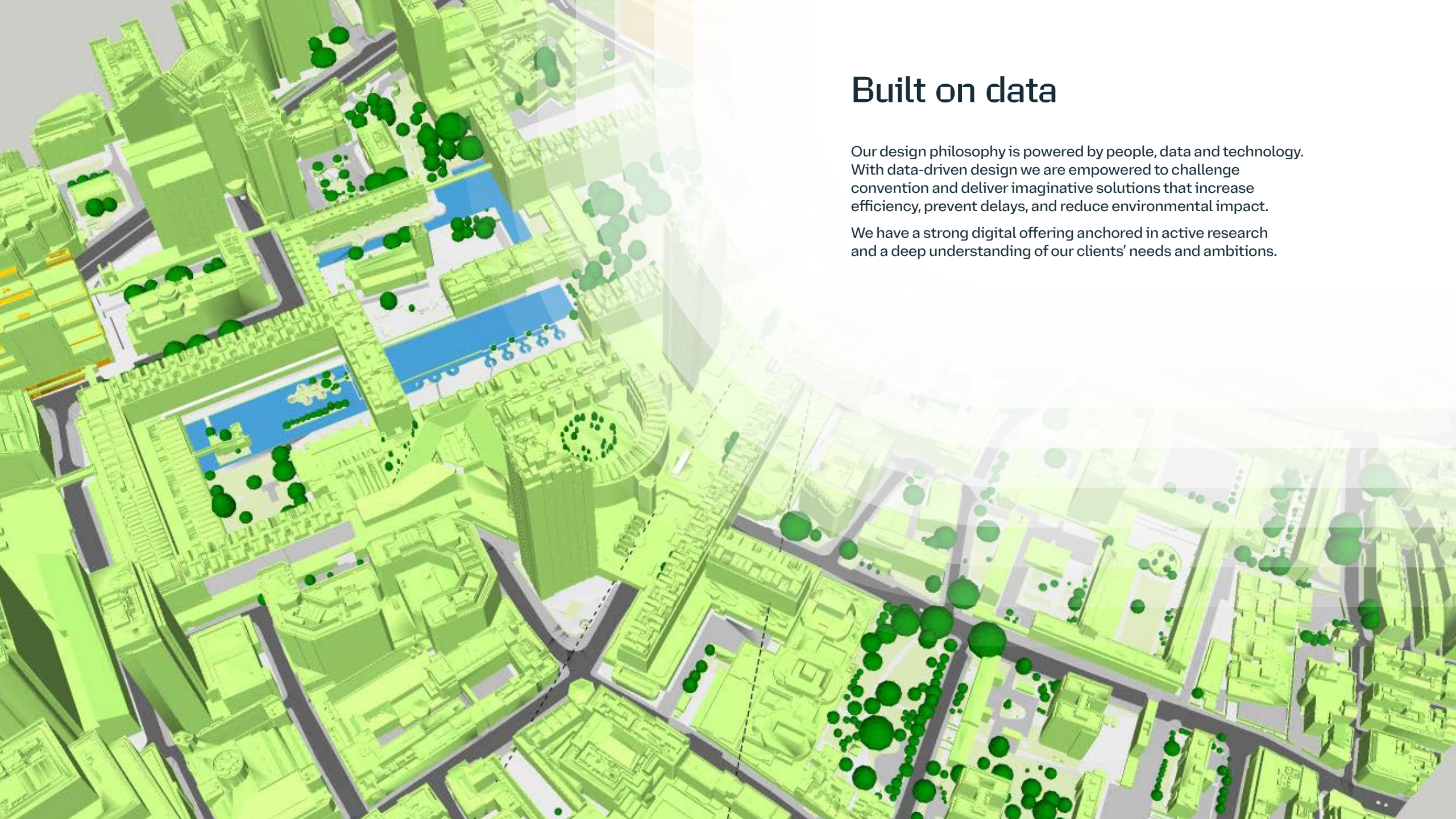
# Built for the future

## Good design is built to last

Our projects are not just designed to be great on the day of delivery, but to grow with you over the decades.

Our team consider a variety of useful features – from ability to retrofit new technologies to considerations such as ease of maintenance – to ensure that your buildings are as functional and inspiring in 100 years as they are today.

Resilience is also key to our design philosophy. We take a whole ecosystem approach to each design to mitigate the potential impacts of climate change and ensure designs are equipped to deliver safety, comfort and utility for their whole lifespan.



# Built on data

Our design philosophy is powered by people, data and technology. With data-driven design we are empowered to challenge convention and deliver imaginative solutions that increase efficiency, prevent delays, and reduce environmental impact.

We have a strong digital offering anchored in active research and a deep understanding of our clients' needs and ambitions.

# GLOBAL EXPERTISE

# Architecture

## Visionary design for a lasting impact

Our architects create places where people can thrive. From schools to theatres and transport hubs, our design philosophy considers context, climate, and above all the user, to create spaces that enhance and support wellbeing.

We lead and coordinate design, working collaboratively to solve challenges and realise your ambitions, whatever they may look like. And with expertise in education, transport, defence, energy, healthcare and urban development, paired with a data-driven and tech-enabled approach, we are perfectly positioned to deliver on your vision.

# Masterplanning

## Transforming communities through brilliant design

Our cities, towns and communities face increasingly complex issues – from social and economic challenges to environmental concerns. A well-crafted masterplan can strategically address these issues, fostering and balancing economic growth, social cohesion and environmental quality.

At AtkinsRéalis, our masterplanners focus on the big picture with designs that are both future-proof and user-centric. Whether in green fields or dense urban areas, we develop long-term plans that harmonize all environmental elements to the benefit of those who live, work and play there.

Our multidisciplinary team have successfully crafted hundreds of masterplans worldwide to enhance environments and communities across the world.

# Landscape architecture

## Visionary design for a better planet

Our landscape designers use their flair for creating imaginative and memorable spaces, blending the technical demands of a brief with the natural constraints of location.

We plan, design and implement sustainable and inspirational solutions across a full range of sites, both in rural and urban locations across the world.

From concept feasibility through planning to full implementation on the ground, we enable our clients to achieve the best results from any public or private space, delivering a practical balance between the long-term health of the environment and the demands of modern day living.

# Interior design

## Spaces that make a difference

From hotels, cruise liners, airports and train stations, to schools, offices, laboratories and residential buildings, our interior designers bring our clients' spaces to life. By responding to their needs, values and aspirations with responsive, bespoke and high-quality designs, we create environments that work and inspire.

We're dedicated to delivering designs that harness the power of cutting-edge technologies and our clients thrive on our ability to solve problems through creativity, collaboration and flexibility. This approach allows us to use our industry-leading technical expertise so that we have the edge when developing dynamic interiors for any environment.

# OUR PROJECTS

# Elizabeth Line, UK

**Client:** Crossrail Ltd

**Completion date:** 2023

**Collaborators:** Arup, Allies & Morrison and Laing O'Rourke

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## Contributing nearly 25 years of expertise to the Elizabeth Line.

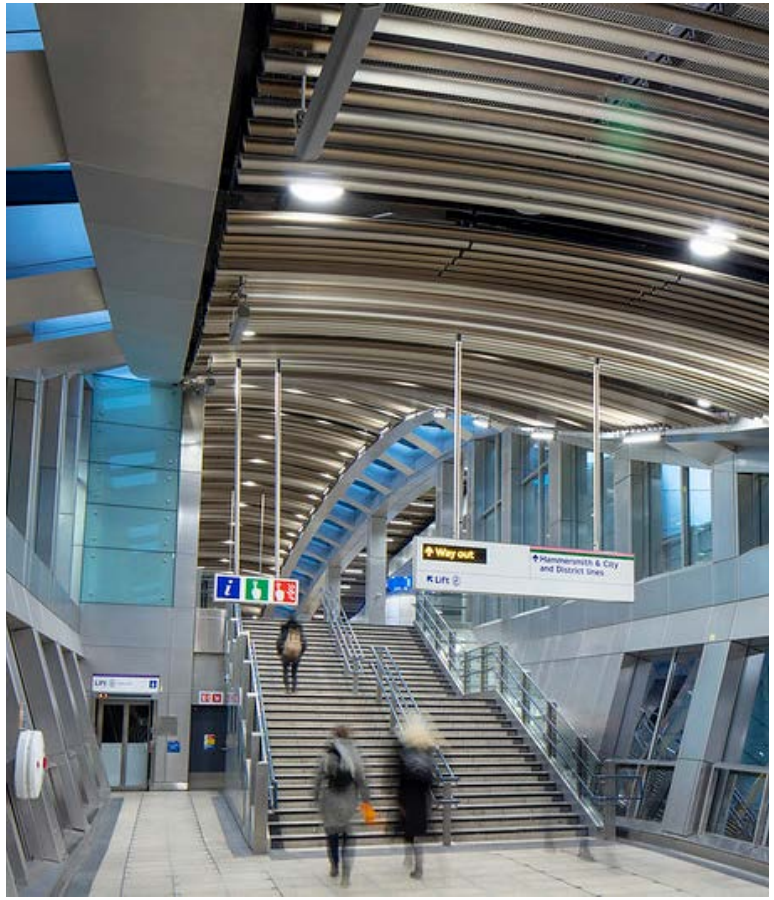
The Elizabeth line comprises 99.8KM of track, 42KM of new tunnels and 10 new and 31 upgraded stations, and now averages 700,000 passenger journeys every weekday.

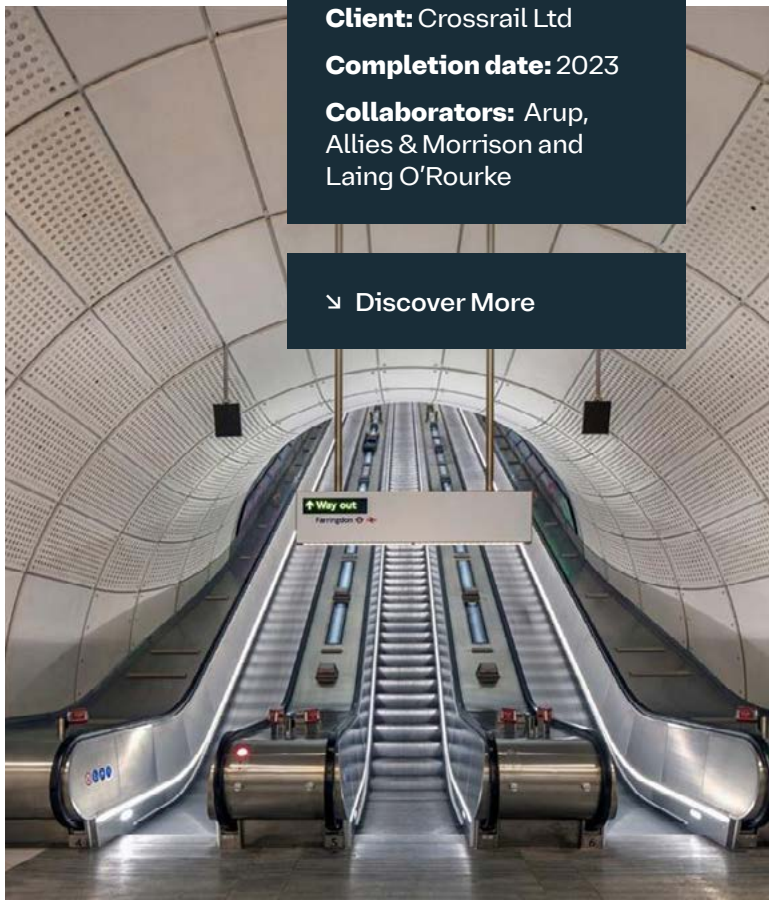
Farringdon Station creates a world-class interchange for the Elizabeth line, with an expected 140 trains passing through every hour.

AtkinsRéalis has led the detailed design for the station using the highest quality architectural finishes.

Farringdon was a complex project and as lead consultant on the station's development, AtkinsRéalis coordinated the design, managing its complexity using expert design and project management. This involved delivering multiple design packages to enable the contractor to maintain the construction programme and achieve key milestones, ensuring the successful delivery of the overall Crossrail programme.

**Winner of the 2024 RIBA Stirling Prize.**




*'The Elizabeth line has changed the way we design for user experience, efficiency, safety and sustainability. As the programme lead for the line wide design team, we've seen first-hand how a consistent, standardised design approach can lead to not only efficiencies for the client and operator, but a better experience for passengers. By rigorous testing of our designs, we've helped assure quality of delivery and ultimately, a similar look and feel for all Elizabeth line stations.'* – **David Hunter, Client Director**

# Louis Armstrong New Orleans International Airport, USA

**Turning from recovery and development to resilience, sustainability, and future opportunities.**

In 2012, the Louis Armstrong New Orleans International Airport (MSY) had made a dramatic recovery from its significant underutilization in the wake of Hurricane Katrina.

But critical sections of the terminal and support facilities had exceeded their useful life spans and needed replacing. This rebound of passengers to pre-Katrina levels exposed the airport's long-term infrastructure needs. The city's focus therefore turned from recovery and development to resilience, sustainability, and future opportunities.

Crescent City Aviation Team, a joint venture of AtkinsRéalis and LEO A DALY, was selected to oversee the airport's return to a world-class airport in both form and function.

It included an alternative site location concept and layout, a new terminal facility with expandability to 35 gates, a new airfield apron to support the terminal, roadway improvements for access and circulation, and increased on-site parking. A single security checkpoint serves both foreign and domestic flights and adapts to accommodate large tourist crowds during annual events such as Jazz Fest and Mardi Gras.

The new airport has prepared New Orleans for increasing levels of tourism following both the devastation of Hurricane Katrina and the more recent interruption of the Covid-19 pandemic. Its state-of-the-art design supports the emergence of New Orleans as a destination city, while its durability and engineering advancements ensure that it can remain resilient in the face of future weather events.

**Client:** City of New Orleans, New Orleans Aviation Board

**Completion date:** 2019

**Collaborators:** LEO A DALY

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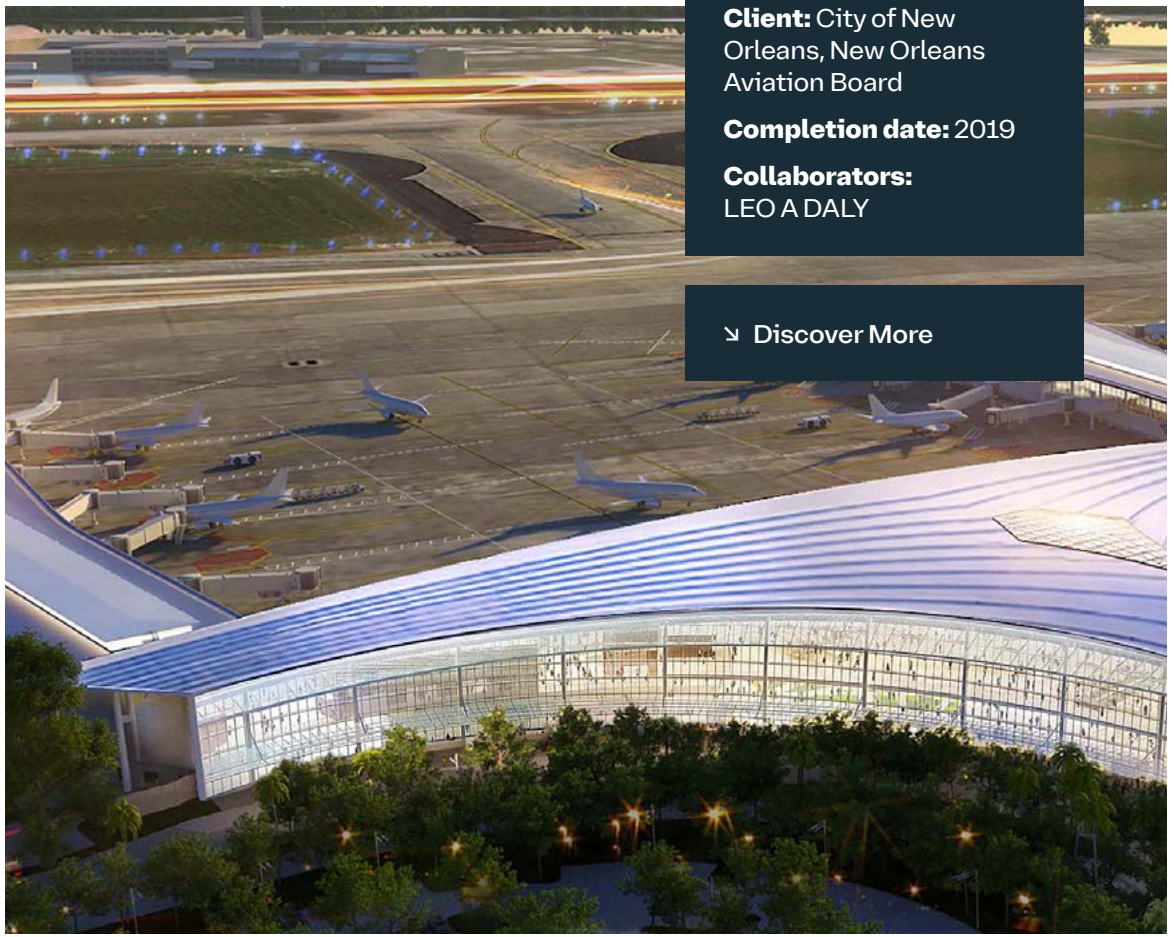

*'The airport, along with the design team, encouraged all concessionaires to break away from typical concession standards and materials and to use richer, higher-quality opulent finishes central to New Orleans' cultural trends.'* – **Dan Taylor, Architect Principal, AtkinsRéalis**

# Doha Metro, Qatar

**Client:** Qatar Rail

**Completion date:** 2022

**Collaborators:** QVDC JV & ALYSJ JV

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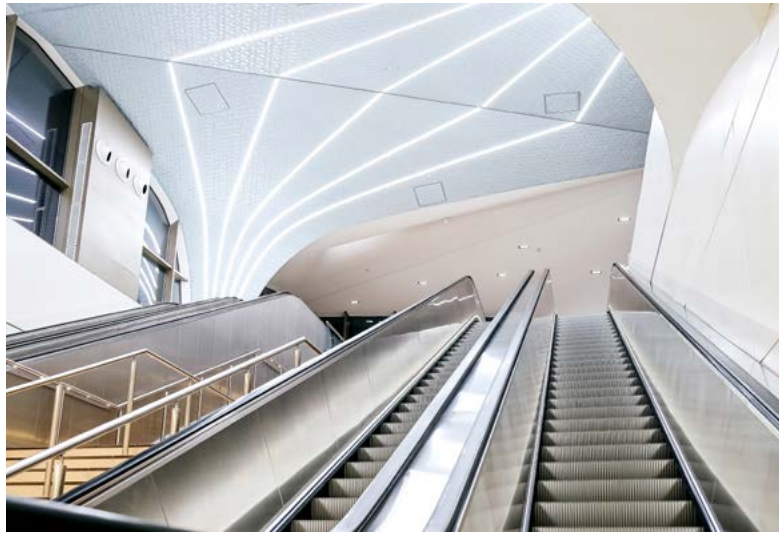
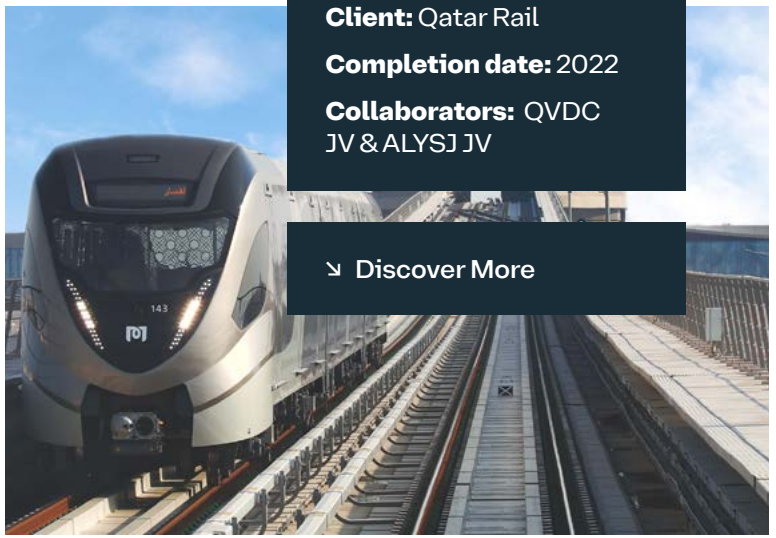
## Designing Qatar's fully automated rapid transit system.

The Doha Metro forms an integral part of Qatar's 2030 vision and was crucial for the FIFA World Cup 2022. Phase 1 included 65 km of tunnel and 32 underground stations. AtkinsRéalis was the preliminary designer for the Red Line, responsible for the multidisciplinary design, functional planning of tunnels, shafts and track alignment, and providing fire and life safety strategies. For the Gold Line, AtkinsRéalis' handled architectural design, station planning, structural designs, geotechnical analysis, excavation support, fire and life safety strategies, and mechanical and electrical building services design. Both lines were designed to high sustainability standards, resulting in improved the passenger experience, reduced station volume and excavation needs, lower OPEX costs, minimized traffic impact and enhanced operational planning.





# Nairobi Central Station, Kenya

**Client:** Kenya Railways

**Completion date:** 2030

**Collaborators:** Mace, Howard Humphries

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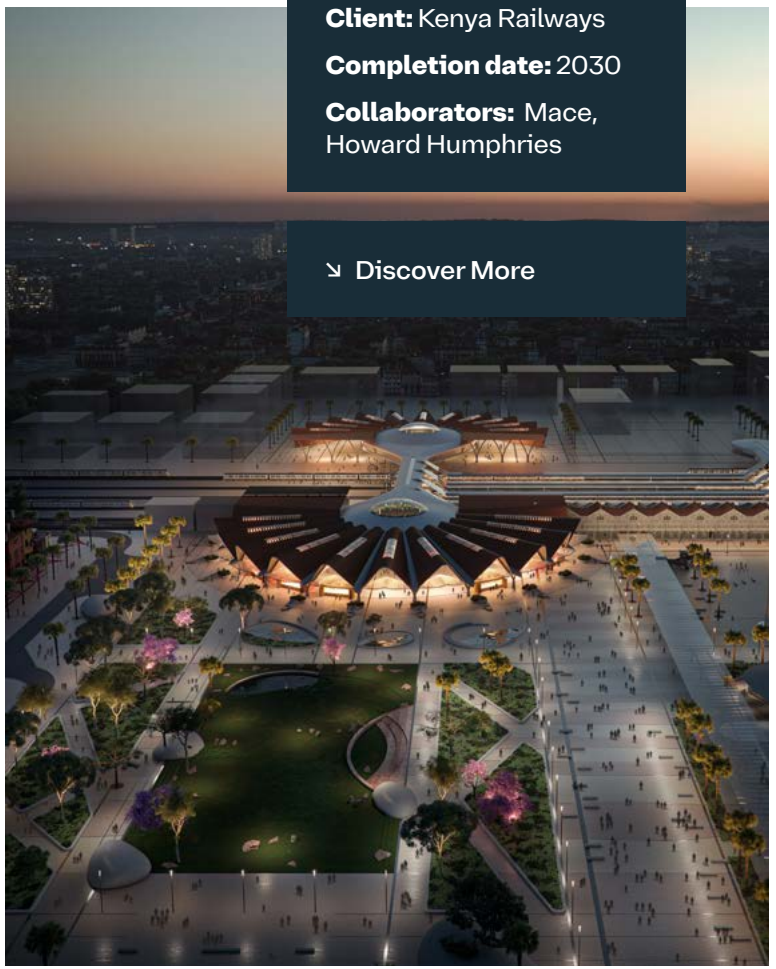
## Redeveloping a station and turning brownfields into a bustling community hub.

Seeing up to 30,000 passengers an hour at peak times and predicted to become the world's third largest station by 2040, Nairobi Central Station presents a unique architectural opportunity.

Flexibility was key from the beginning, with the space designed to accommodate both large numbers of travelers and form a thriving community hub. This is achieved with a large 'Boma' style roof, and an open and accessible structure, limiting the number of areas restricted to ticketholders. The design also incorporates the original historic station building – one of the oldest stone structures in Nairobi – alongside cafes, shops, plants and greenery, flexible seating, and sports fields.

The redevelopment of Nairobi Central Station lies at the center of the Nairobi Railway City urban regeneration project.



*'Kenya's climate was a key driver for this design. The big roof concept allowed us to shield passengers from cloudburst events – which is very heavy rainfall that occurs at certain times of year – but also to collect this rainwater to irrigate plants and surrounding landscape without relying on municipal water supply.'* – **Chris Crombie, Technical Director, AtkinsRéalis**

# OUR VALUES

Our values are the essence of our Company's identity. They represent how we act, speak and behave together, and with our clients and stakeholders.

**Safety**
We put safety at the heart of everything we do to safeguard our people, assets, and the environment.

**Integrity**
We do the right thing, no matter what. We are accountable for our actions.

**Collaboration**
We work together and embrace each other's unique contribution to delivering amazing results for our clients, our communities, and our planet.

**Innovation**
We redefine engineering by thinking boldly, proudly, and differently.

**Excellence**
We are proud to do our best, achieve high standards, creating environments where all can thrive.

Engineering a better future for our planet and its people

atkinsrealis.com/architecture

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