ARCADIS IN ASIA

Helping clients in natural and built environments

IMPROVING QUALITY OF LIFE
Arcadis is Asia’s market leading design and consultancy for natural and built assets with expertise ranging from cost and commercial management, project and program management, business advisory, design & engineering, and environmental and water services. We focus on delivering exceptional and sustainable outcomes that give our clients the ability to outperform their competition.

Our projects include work in both the private and public sectors, supporting leading developers, government departments, utility companies and multinational clients.

We advise on the complete spectrum of the natural and built environment enabling us to have an unrivalled depth of experience and knowledge of Asia.

Globally, we are 28,000 people, active in over 70 countries that generate €3.5 billion in revenues. We support UN-Habitat with knowledge and expertise to improve the quality of life in rapidly growing cities around the world.

Arcadis. Improving Quality of Life.
Design and Consultancy

Applying our deep market sector insights and collective design, consultancy, engineering and project management services, we work in partnership with our clients to deliver exceptional and sustainable outcomes throughout the lifecycle of their natural and built assets. Our 28,000 leading experts are experienced in delivering solutions to our clients across the whole lifecycle of their natural and built assets, whatever their sector, industry or location.

Natural and Built Assets

The natural and built environments surround us every day; they shape and define the world we live in. Thinking of the components of the natural and built world as ‘assets’ or resources helps us define and consider how these can be optimized, maximized or protected to ensure they continue to deliver value for years to come. Natural assets include water, natural energy, minerals, air and land, while built assets define ‘man made’ resources that we use to improve our quality of life every day, from transportation infrastructure to buildings, public green spaces and so on.
OUR PASSION

IMPROVING QUALITY OF LIFE

At Arcadis, our core values guide us in everything we do, while we base business decisions on our strategy. Our primary aim is long-term value creation for all stakeholders. Delivering sustainable solutions to clients, and the communities we serve.

Our values
We differentiate ourselves through our talented and passionate people, our unique combination of capabilities covering the entire asset lifecycle, our deep market sector insights, and our ability to seamlessly integrate health and safety, sustainability and digital components into the design of our solutions around the globe.

People first
We care for each other and create a safe and respectful working environment where our people can grow, perform, and succeed

Client Success
We are passionate about our clients’ success and bring insights, agility, and innovation to co-create value

Integrity
We always work to the highest professional and ethical standards and establish trust by being open, honest and responsible

Sustainability
We base our actions for clients and communities on environmental responsibility and social and economic advancement

Collaboration
We value the power of diversity and our global capabilities and deliver excellence by working as One Arcadis
ARCADIS ASIA
LEADERSHIP TEAM

GLENN J. LUTZ
Chief Executive Officer, Asia

FRANCIS AU
Cost & Commercial Management, Head of Greater Bay Area

JOE CHAN
Cost & Commercial Management, Head of China

TIM RISBRIDGER
Head of Singapore

WEIBIN XU
Head of Project & Program Management, Greater China and Environment & Water, Asia

JUSTIN TEOH
Head of Malaysia

ROSS MCKENZIE
Head of Philippines, Thailand & Vietnam

ANDREW CHAN
Regional Solutions Lead, Cost & Commercial Management

DANIEL BLITCH
Chief Financial Officer, Asia

KATHERINE CHAN
City Executive, Greater Bay Area

ADAM SUTTON
Regional HR and Change Director, Asia

PENNY MURPHY
Regional Head of Digital Transformation, Asia

STEPHEN UHR
Executive Director, Strategy, Clients & Innovation, Asia Pacific

LAURENCE HATEM
Chief Information Officer, Asia Pacific

MASSIMO ENDRIZZI
H&S Director & Asia Solution Lead - Water & Environment, Asia

CARL WATSON
General Counsel, Asia
THE ARCADIS JOURNEY
CREATING A SUSTAINABLE FUTURE SINCE 1888

Arcadis founded in the Netherlands as the association for wasteland redevelopment, promoting agricultural productivity of Dutch heather lands

Hyder Consulting can trace its roots back to this date

Start of export of water and infrastructure services to developing countries

Start of European expansion strategy

Association (KNHM) and Company (Heidemij) are separated

Listed on Amsterdam Stock Exchange (now NYSE Euronext)

Merger with Geraghty & Miller brings US expansion and listing on NASDAQ

Branched into urban development

Introduction of Arcadis brand name and logo

1997

Acquisition of RTKL brings high-quality architectural design in US, UK, and Asia

2007

Acquisition of Malcolm Pirnie creates leading global position in water

2009

Acquisition of EC Harris brings stronger position in UK, and growth in Middle East and Asia

2011

Acquisition of Hyder Consulting and Callison brings further strength to engineering and architecture

2012

Arcadis develops Vision 2030

2014

Acquisition of Langdon & Seah creates leading position in cost and project management in Asia

2015

Arcadis launches Arcadis Gen providing digital solutions

2018

2020
OUR PASSION
Improve the quality of life and be recognized as the best

OUR MISSION
To create exceptional and sustainable outcomes for our clients in natural and built asset environments

OUR SERVICES
Our focus is on helping clients to address these challenges by creating solutions based on a blend of services. This includes quantity surveying, project management, design & engineering, management consultancy and environmental and water solutions.

Whether it’s developing an initial strategy, providing cost assurance on a major program of work, managing a portfolio of business critical assets or cleaning up contaminated environments, we can call on world-class expertise during all phases of the lifecycle of a project.

At Arcadis, service excellence and an acute focus on clients is at the heart of our business. We pride ourselves on providing clients with access to the very best professionals across all of the fields we work in - genuine industry leaders who can help clients to secure the business outcome they need.

GROSS REVENUES IN €
3,473m

SPREAD GROSS REVENUES IN

BUILDINGS & URBAN DEVELOPMENT
40%

INFRASTRUCTURE
24%

ENVIRONMENT & WATER
36%
Solutions are delivered cross-sector, but can predominately be found in:

- **Infrastructure**
  - Intelligent transportation solutions
  - Rail and urban transport solutions
  - Port solutions
  - 24% of net revenues

- **Buildings**
  - Performance driven architecture
  - Program management
  - Cost management
  - Performance driven engineering
  - Operations and maintenance
  - 40% of net revenues

1 Including CallisonRTKL
Water
12% of net revenues

Environment
24% of net revenues

Water management solutions
Intelligent water networks

Environmental restoration

Business advisory

Strategic environmental consulting
OUR PROJECT EXPERIENCE ACROSS SECTORS

1 COMMERCIAL DEVELOPERS
2 FINANCIAL INSTITUTIONS
3 RETAIL & CONGLOMERATES
4 CHEMICALS & PHARMACEUTICALS
5 AUTOMOTIVE
6 OIL & GAS
7 AVIATION
8 RAIL
9 PORTS
10 HEALTH
11 HOTELS & HOSPITALITY
12 EDUCATION
13 CORPORATE OCCUPIERS
14 POWER & UTILITIES

Hong Kong-Zhuhai-Macao Bridge
China
Jewel Changi Airport
Singapore

Kai Tak Cruise Terminal
Building and Ancillary Facilities
Hong Kong

Four Seasons Kuala Lumpur
Malaysia
Regenerating a Shanghai district

Sun Hung Kai Properties is developing a mixed use, retail, office and hotel space of almost 1 million square meters in the Xujiahui district, west of the Huangpu River in Shanghai. Named the Shanghai International Trade Center (ITC), it will include two grade-A office skyscrapers of 220m and 370m in height, a premium mall and a luxury 6-star hotel. Arcadis is quantity surveyor for the almost €280 million project.

Challenge
Shanghai ITC has four relatively independent lots which are in different stages of construction. For a successful delivery of the project, integration of all the contractors is key. Additional challenges for cost control are created by the extended construction timeframe, fluctuations in the cost of materials and regulatory changes.

Solution
By using our proprietary cost database and experience of benchmarking projects in mainland China, Arcadis provided numerous estimates, advising Sun Hung Kai Properties on design options and construction methods. In the tendering stage, Arcadis drew up the bid documents, setting clear initial boundaries to avoid future discrepancies and ambiguity. Arcadis also managed change orders and claims in consultation with the contractors, effectively building a complete front to end construction cost control process for this mega project.

Impact
Once completed in 2023, Shanghai ITC will become a valuable addition to the growing ecosystem of the Xujiahui commercial district, adding commercial and employment opportunities for residents. The project allows for direct access to the Xujiahui Metro Station, which serves as an interchange station for five separate lines. This makes travel to and from the location convenient, without adding to urban congestion. The environmentally-friendly buildings are realized under the sustainable LEED Gold Standard. A network of elevated footbridges will connect the Shanghai ITC with adjacent commercial and heritage sites ensuring easy pedestrian access and safety.

Client:
Sun Hung Kai Properties
Location:
Shanghai, China
We have an unparalleled track record when it comes to managing the costs of construction within real estate and infrastructure sectors. Our expertise spans the full lifecycle of projects from inception, delivery, through to final handover of a completed project.

COST MANAGEMENT

We work alongside our clients to make the best decisions, from the initial design to ongoing asset management. As one of the world’s largest cost management companies, we know that it is vital to understand our clients’ needs, so that we can deliver best in class cost solutions that are backed up by relevant data and analytics.

OUR CORE COST MANAGEMENT TEAM SERVICES INCLUDE:

- Initial budget estimating to assess the feasibility of design proposals
- Comparative cost advice on alternative designs, materials, systems and methods
- Detailed cost planning and monitoring to ensure that designs are developed within the approved budget
- Value engineering of design options to maximize value for money.
- Advice on appropriate contract packaging, tendering procedures and procurement options
- Management of the selected procurement route.
- Tender documentation and management to select a suitable contractor(s)
- Financial post-contract management including progress payment valuations, variation cost management, cost reporting, and finalization of accounts
Arcadis was appointed by ED Zublin to provide detailed engineering and permitting services for the Deep Tunnel Sewerage System (DTSS) Phase 2 Contract T-07. Contract T07 involves 12.0 km of TBM tunnels with diameter up to 6.0m, 14 shafts, including hydraulic structures.

**CHALLENGE**

The tunnels run through challenging ground conditions that require careful engineering to ensure stability and the project interfaces with existing buildings and infrastructures where boring and excavation works need to be controlled to a minimum. Multiple level of approvals are also required to meet permitting and contractual requirements.

**SOLUTION**

Led by the Arcadis Singapore team, we tackled the challenging ground conditions by working with various authorities and Arcadis specialists in tunnels, hydraulics, geology, ground-hydrology and structures from Hong Kong, US and India.

Employing observation method, performance based design and 3D PLAXIS enabled us to analyze complicated and highly variable site conditions for the shafts construction. We adopted an innovative approach in the tunnel design, leveraging on composite behavior, and adopting a full SFRC tunnel lining segment at selected tunnel stretches. Various interfaces were managed using robust design management methodology which enabled Arcadis to produce an economical and innovative design.

**OUTCOMES**

Our proactive management of the design schedule helped ED Zublin to be the first contract in the project to launch the TBM ahead of all other contractors. Despite technical complexities, Arcadis attained the necessary approvals from authorities without impacting the construction schedule. Furthermore, cost and schedule savings were achieved in the hydraulic structures by value engineering.

Transporting **800,000** cubic metres of NEWater per day

**30%-55%** increase in water recycling rate

**DEEP TUNNEL SEWERAGE SYSTEM**

Increasing water resiliency for Singapore through cost-effective solutions to meet long term water needs.
From tall buildings to the busy airports; from underground tunnels to iconic bridges, engineering feats help to shape the future of cities and improve quality of life.

DESIGN AND ENGINEERING

Our design and engineering consultancy services are characterized by our sense of responsibility and acute focus on quality. From concept design and pre-feasibility development, through to detailed design and construction support.

We strive to use our understanding and expertise to achieve optimum social and economic outcomes that are in line with our clients’ and stakeholders’ priorities.

We have experience in delivering a diverse range of projects using a variety of delivery models, including alliance, public-private partnerships, design and construct, early contractor involvement model, design only, professional project management, design verification and maintenance contracts.

Our capabilities are spread across a range of areas including:
- Infrastructure – rail and railway systems, airports, ports and maritime assets
- Bridges and civil structures
- Caverns and tunnels
- Geotechnics
- Waste and environmental management
- Water management, treatment and conveyance
- Sustainability design
Hong Kong Smart Green Building Design Best Practice Guidebook including interfacing with Smart City

**Challenge**
The Hong Kong Green Building Council appointed Arcadis to develop a Hong Kong Smart Green Building Best Practice Guidebook with a set of practical guidelines and strategies as well as design and operational best practices pertaining to smart green building development, in order to optimise the performance of new and existing buildings.

**Solution**
To develop a Hong Kong Smart Green Building Best Practice Guidebook with a set of practical guidelines/strategies as well as design and operational best practices pertaining to smart green building development, in order to optimise the performance of new and existing buildings.

Through comprehensive research, benchmarking analysis and stakeholder engagement, over 30 key practical smart green strategies will be recommended. The Guidebook will be the first-of-its-kind in the region to re-define the interface between green and smart; and ultimately accelerate the building industry in achieving Hong Kong’s vision of smart and sustainable development.

**Impact**
The Guidebook identifies innovative smart green technologies throughout entire building lifecycle in areas including building design, operations, occupant comfort, energy performance, material and waste management, water management, and mobility. It includes selected case studies that demonstrate smart green technology best practices. Finally it will define what ‘smart green technology’ entails and incorporates a broad roadmap to guide practitioners in the market transformation to become smarter and greener.
The impact of climate change, digital disruption and urbanization requires businesses to consistently evolve. Whether it’s strategic technical advice, organizational transformation, maximizing investment return or enhancing asset performance, clients require customized and strategic solutions to ensure they can deliver their desired business outcomes.

**BUSINESS ADVISORY**

Our approach to business advisory focuses on developing a thorough understanding of our client’s needs and then designing and implementing solutions that deliver tangible value to their organizations. Our core advisory services can be divided into three areas: Technical Investment Risk Management, Asset Performance Optimization and Strategic Consulting.

**TECHNICAL INVESTMENT RISK MANAGEMENT**

Whether acquiring or disposing of an asset, providing development debt or equity, or investing into a security, we provide holistic, outcome focused advice to ensure technical risks are known and appropriately managed prior to the commitment of funds.

**ASSET PERFORMANCE OPTIMIZATION**

We advise clients on how to optimize the economic, social and environmental costs of their assets and ensure their portfolio is fully aligned to their overall business strategy.

**STRATEGIC CONSULTING**

Our Business Advisory consultants provide a wide range of strategic advice to our clients through discreet, one-off, tailored solutions including market entry strategies, workforce analytics, product performance benchmarking, feasibility studies and predictive urban planning.

Through our sector expertise, technical insight, local understanding and international experience, we have a track record in identifying opportunities to help clients gain the maximum benefits from their investments.
Shenyang, China
BMW

BMW NEX new five-series automobile plant is located in Shenyang Dadong with a total investment of 12 billion yuan, which was the largest foreign investment in 2014. It is BMW's first integrated automobile assembly line invested in China and will produce the 8th generation BMW five-series car with the latest technology. The project has received significant support and attention from Chinese and German governments, industry leaders and government officials at all levels. The Chancellor of Germany has visited the project for many times.

Arcadis is the only project management consultancy for this project, which has achieved superior quality standard and has been regarded as a model project by BMW. It was also won the highest Chinese prize for construction (Lu Ban prize) and the Champion Project award for 2018 by RICS.

Challenge
This whole project covers an area of nearly 1 million square meters and the construction plant covers an area of 400,000 square meters. As the world’s most advanced automotive production line, it adopted Germany automatic technology and implemented artificial intelligence control and robot operations. It also used diverse innovative and high level technology methods which increased the complexity and difficulty for the project manage work to ensure the performance of the process. Due to the extremely strict quality requirement, Arcadis needs to make sure every detail meets the standard including building materials, facilities and health & safety.

Solution
With the strategic and integrated tendering cost management approach, Arcadis successfully reduce the total direct construction cost from $420 million to $320 million, saving 24% without changing any scope of work or reducing standard. None of the 22 major contract packages were over budget and more importantly, the cost estimate was 95% accurate when compared to the final contract price. Despite the difficulties and unforeseen circumstances, Arcadis achieved every program timing milestone. The main 130,000 square meter production plant was completed within 12 months, which was a record for a BMW plant. Meanwhile, Arcadis implemented the strictest safety standard aimed at achieving zero major safety accidents. As a result we achieve not only that but also made a record of 10 million safe working hours. Along with the NEX Dadong factory expanding, we helped the client to build up their BIM system, We used BIM+GIS+BIM platform+project management approach to manage the construction stage.

Impact
BMW Dadong factory is an influential and high-profile project and an example of the in-depth collaboration between "Germany Industry 4.0" and “China Manufacturing 2025". This project means BMW has moved the world’s latest production technology and advanced production line to China without any reservation. As the largest tax-paying enterprise in Liaoning province, along with the successful operation, it will drive the upstream and downstream industries together, promote local employment and make a greater contribution to the revitalization of northeast China.
At Arcadis, our Project & Program Management team aim to help our clients fulfil their business objectives by ensuring successful project outcomes. Delivering a construction and development project is a huge endeavour and we are there every step of the way to minimize project risks and maximize the value and benefits that the projects bring to our clients’ bottom line.

**PROJECT AND PROGRAM MANAGEMENT**

**PROJECT MANAGEMENT:**
Delivering world-class projects requires professionals with industry leading expertise, access to best practices, and the determination to manage their projects to the highest standard. With a proven track record of delivering successful projects for our clients in Singapore and throughout the region since 1934, we are committed to work alongside our clients and create exceptional value.

Our team helps clients to develop their brief and requirements, appoint the right design team and consultants, procure the best-value suppliers and contractors, and ensure the project is executed efficiently and effectively. As the key point of contact, we ensure communication between all project team members and stakeholders is fast and effective, and provide clear, accurate, and single point reporting tailored to business needs.

**PROGRAM MANAGEMENT:**
Delivery of complex programs of work, in an ever-changing, multi-cultural environment, is a challenging task that requires specific expertise and efficient execution. Our locally based, regionally focused program management team have unrivalled experience in delivering pan-Asia programs, acting as a catalyst for improved business performance.

Our leading program management experts enhance the delivery assurance, governance and process compliance of large, complex and challenging projects and portfolios of work. Our proven approach and delivery methodology, developed through a strong track record of experience, delivers tangible benefits for annual capital investment plans, development and expansion, reimagining and refurbishment programs.

With our experts leading the overall program of works, this will ensure consistency of approach, clarity of communication, and uniformity of standards and brand image. Additionally, we assist our clients in helping to enhance value through design management, central sourcing, dynamic procurement practices and process efficiencies.
Challenge
Our client the Ocean Clean Up needed project management support for a groundbreaking effort to address the problem of plastic pollution in rivers. They have developed the Interceptor™, an innovative, solar-powered, floating system that removes plastic and other debris from rivers. Roughly 1.15 to 2.41 million tons of plastic are entering oceans from rivers each year. The Klang river in Malaysia is that country’s biggest contributor to ocean plastic waste. In 2017, 6,537 tons of plastic waste traveled through the Klang and out to sea. This river contains plastic waste coming from large cities such as Kuala Lumpur.

Solution
Arcadis was involved in the assembly, installation and commissioning of the Interceptor™ for the “Pilot Project- River Plastic Interception” in the Klang river in Malaysia. The project was led by the Arcadis Malaysia team, who provided project management support, stakeholder management services and collaborated with the Arcadis Singapore team in providing a comprehensive environmental impact assessment report.

Impact
The environment team from Arcadis was able to demonstrate how the Interceptor™ enhanced the current system of plastic waste removal in the Klang river and the connected estuary. By explaining the design of the Interceptor™ and analyzing both physical, biological and social factors, Arcadis is supporting this pioneering effort to address the massive problem of plastic waste in rivers and oceans. The Ocean Clean Up plans to tackle 1000 rivers around the world with the help of the Interceptor™, with the aim of reducing the amount of plastic entering oceans each year by 80%. They plan to accomplish this over the next five years.

Improving quality of life
Plastic waste in oceans is a significant problem, because as that plastic breaks down, it enters the human food chain through marine wildlife that ingest it. This plastic also kills millions of marine animals each year. By contributing to the Ocean Clean Up’s effort to drastically reduce the amount of plastic polluted into oceans, we are improving quality of life for both animals as well as people all around the world.
Across many parts of Asia today, organizations are recognizing the need to integrate environmental, health, and safety risk factors into their business decision-making. Translating the value of worker-safety, compliance assurance, sustainable operations, clean water, air and land into economic terms is crucial for success within today’s business environment.

ENVIRONMENTAL & WATER SOLUTIONS

By integrating environmental innovation and engineering services, Arcadis has become a global leader in developing creative technical and financial approaches for the success and sustainability of some of the world’s leading companies.

We help convert environmental challenges into a competitive advantage. We partner with our clients, help mitigate risks, and deliver guaranteed solutions through the development of viable, sustainable solutions that add value to the bottom line.

Some of the core specialized services we offer clients in Asia include:

**Strategic Environmental Consulting**
- We provide cost effective business solutions to enterprises and operating facilities for management of environmental and safety risk.

**Site Evaluation and Restoration**
- We maximize the value of your built and natural assets through tailored, comprehensive, and outcome-driven environmental restoration

**Environmental Planning**
- We manage the environmental and social risks on your key capital projects so that you can stay focused on your core business

**Water Supply and Treatment:**
- Through our expert knowledge we apply leading-edge technologies to meet ever-changing quality needs for drinking water and wastewater facilities. Our dedicated global teams ensure we act both within local regulatory requirements and with minimal environmental impact to protect the world’s water supplies for future generations. We help communities expand and diversify their water supplies.

**Conveyance and Networks:**
- At Arcadis we have more than a century of experience in assisting our clients to convey and store water, wastewater and storm water, while protecting public health. Our work includes planning, design and construction of new and rehabilitated trunk sewers, force mains, interceptors, pumping stations, tunnels, and green infrastructure.

**Water Management:**
- With over a century of experience protecting the notoriously flood-prone Dutch coastline, we have the unique position to advise on all matters of water management. From developing flood defences in Asia Pacific to storm proofing New York’s financial district, Arcadis’ unrivalled expertise enhances the quality, safety and adaptability of urban and coastal, riverine and delta ecosystems everywhere.

**Industrial Water Solutions:**
- From developing turnkey technology solution to save a pharmaceutical company millions to providing water assessments for global oil & gas companies, Arcadis partners with industry to help effectively manage water while making businesses more sustainable to the world and their bottom line.
The rise of digital has been a strategic priority at Arcadis, as the asset lifecycle becomes heavily digitized, automated and intelligent. The benefits that digital has to offer are now clear around the globe, be it productivity, profitability or enhancing the client experience. In 2018, Arcadis was the first in the industry to share our Vision of 2030, which focuses on how we support our clients and improve quality of life by becoming digitally enabled, connecting the human experience and with our scalable asset knowledge.

**DIGITALIZING SOLUTIONS**

For some of Arcadis’ core business areas, the future has arrived faster than expected. Six of our largest solutions have been digitalized in the last few years, and 23,000 designers, engineers and consultants are being upskilled with digital capabilities. A concentrated effort has gone into laying down the foundations and building our digital infrastructure. As a result, Arcadis has a deep understanding of the relevant digital technologies available to support the asset life cycle, and helping clients progress with their execution, one solution at a time.

We are seeing early adopters amongst our clients in every sector and region. In Asia, Arcadis has been using Robotics Process Automation to deliver traditional cost and commercial management processes to support projects. Within our Commercial Developer and Property sector, there is a pull from clients for digital analytics and centralized dashboards to manage their portfolios and governance. Across mobility sectors, the use of image recognition for road maintenance and inspections are growing. In response, we’re pioneering and collaborating with our clients and ecosystem partners to develop new digital propositions that will increase productivity, enhance profitability and improve overall user experience.
Digital data collection and visualization are game-changers in productivity and decision-making. We are pushing digital tools such as FieldNow combined with the Tellus client portal. In Cost Management, we see a significant opportunity to support clients around automation, data analytics and using our cost data expertise to provide a digital experience for speedier and informed cost decisions. We are also starting to see some overlapping and integration of digital services across solutions, where we see BIM linked to costing, forecasting and scheduling.

The reliance on virtual teams and Global Excellence Center (GEC) resources helps us offer a truly global capability, which contributes to improving the client experience. Last year, our teams added analytics, program management and cost management resources and capabilities, and we apply them on projects and commissions. Arcadis continues to invest and partner with clients as they enter their digital journeys.
Sustainability is at the heart of our mission to improve quality of life and is one of our core values. We are committed to providing long-term economic, social and environmental value, both for our clients and as a responsible corporate citizen.

**SUSTAINABILITY**

**CLIENTS**
Arcadis’ greatest impact on sustainability is through our client projects. Arcadis has prioritized five of the 17 sustainable development goals (SDGs) that align with the work we do.

Many of our clients recognize that sustainability is a key business driver. It brings benefits such as improved pricing power, cost and risk reductions, an enhanced ability to attract and retain the best talent, new business opportunities, and better access to capital. We help to translate our clients’ sustainability policies and goals in the projects we do; sustainability is therefore part of our design principles when we develop solutions for our clients. As an active member of the World Business Council for Sustainable Development (WBCSD), Arcadis also shares knowledge and co-creates scalable business solutions that transform major economic systems and contribute to the UN SDGs.

**OPERATIONS**
As a global business, Arcadis has committed to becoming carbon neutral by 2030, while Arcadis Asia is working on reducing our environmental footprint through the following areas:
- Transportation
- Energy and water usage
- Paper usage
- Waste reduction and recycling

**COMMUNITIES**
We have an ambition for every Arcadian to become active in community programs and have launched a social impact movement, Local Sparks at the end of 2019, to deliver on that commitment. Since 2010, Arcadis has also been supporting UN-Habitat through a global partnership called the Shelter Program, in which Arcadians provide pro bono expertise to sustainable urban challenges.

Together with our clients and partners, we push the boundaries of sustainability and fulfill our passion to improve quality of life.

Arcadis develop a program to improve environmental performance in Chinese dye houses with support from the Dutch Government.
At Arcadis, protecting the health and safety of our clients, consultants, contractors and the employees who we work with is our number one priority. We integrate health and safety standards and best practices to create a safe environment for everyone.

HEALTH & SAFETY

At Arcadis, the health, safety and well-being of our employees and stakeholders are central to everything we do. In Our General Business Principles, we commit to providing a healthy and safe work environment for all our employees. To that end, our global health and safety vision and policy are built around a proactive risk- and behaviour-based approach that integrates health and safety (H&S) into our culture, our values and the way we do business.

Health & Safety Management System
- Our global H&S management system is designed to standardize the process of H&S across the company while respecting the nuances of local culture, client expectations and regulation. Our system focuses on proactive hazard recognition, risk assessment and control to prevent incidents. Lessons learned and best practices are shared globally and often. Our system empowers staff to conduct their work in a way that protects themselves and others. It gives them the tools to implement healthy and safe work practices at all times and encourages them to use these tools off the job to maintain a healthy and safe personal lifestyle.

We continually strive to prevent harm and incidents by integrating TRACK into every task:
- Think through the task.
- Recognize the hazards.
- Assess the risks.
- Control the hazards.
- Keep H&S first in all things.

H&S is also an integral part of the solutions we provide to our clients and a key Arcadis differentiator. We strive to exceed the H&S expectations of our staff, clients and stakeholders, even as performance standards that stress continuous improvement, stewardship, and employee engagement and accountability become increasingly rigorous.

Our H&S culture is easily understood through our H&S tagline: A Real Commitment; A Daily Issue: Safety