WATER
CAPABILITIES IN ASIA
Arcadis is a global natural and built asset design and consultancy firm working in partnership with its clients to deliver sustainable outcomes that help to improve the quality of life. Through the work we are doing, we are helping our clients to address the toughest water based challenges ranging from rapid urbanization and land subsidence to reclamation and storage of safe water for industry. We have a long history working with water that can be traced back to 1739 and includes working with the Association for Wasteland Redevelopment in the Netherlands. This level of experience combined with our innovative expertise has ranked us number one in the world for providing clear sustainable water solutions.

Our dedicated team has worked on some of the world’s most iconic water based projects enabling them to innovate pioneering water treatment and management solutions. Our multidisciplinary operational model, that integrates in-house expertise, enables scalability and operational efficiency on projects that include Wuhan’s Sponge City programme and Hanoi’s Red River urbanization development.

Utilizing our world-leading water capability to deliver a sustainable solution to the changing Asian market

Arcadis is a partner with UN-Habitat, the United Nations agency from human settlements aimed at improving the quality of life in growing cities; and a platform partner with 100 Resilient Cities - pioneered by the Rockefeller Foundation which focuses on building better resilience and more inclusive economies; and a foundation partner of the World Economic Forum, an independent agency focused on improving the state of the world.

A CHANGING MARKET ENVIRONMENT

Urbanization, growth in population and migration is creating an Asia wide need to readdress the way we manage water. Water is one of the most essential components that supports economic, urban and social development. And in Asia, the need for sustainable water management solutions is being impacted by core factors such as rapid urbanization, land subsidence, increased rainfall, rising sea-levels and ageing infrastructure. Combine all of those elements with a shortage of clean, reliable water, and the need for holistic planning that addresses resilience has now become essential.

As country and city leaders look to provide solutions for water management, we also know the importance of combining all stakeholders at different levels within the planning. Only with a complete understanding of the challenge can you then build a sustainable solution. As the situation continues, the impact of poor quality of water, severely damaged water eco-systems and depleted aquifers will continue to affect human health and resilience of economies.

We know the challenges around water, and even more so we know that each challenges unique. And in response, we are able to provide a multidisciplinary approach that combines global capabilities that are delivered locally to create a bespoke solution against our clients' exacting needs.

Arcadis Asia – Water
WATER VALUE PROPOSITIONS

As climate change causes sea levels to rise and sustainable fresh water become a bigger priority, we understand the increasing importance to deliver strategic solutions.

Through our wealth of experience in the water sector, we are able to provide an unrivalled level of expertise that is uniquely positioned to develop safe and sustainable water solutions. This capability is built on a strong value proposition of building resilience, quality and efficiency into each and every project we service.

It is our ambition to help all our clients improve their business, and to aid countries and cities to reach high levels of resilience. Our unique delivery approach that integrates a multidisciplinary model works to multi-functional solutions that adds direct value to our clients.

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From rising tides and drought to polluted reservoirs and broken pipes, the challenges faced in managing and distributing the world’s water are vast. Without effective systems, and quality infrastructure, the consequences for our communities across the world would be unthinkable.

Thanks to centuries of experience in the water sector, our specialist teams of engineers, scientists and consultants around the globe are uniquely positioned to provide safe and secure water technology. Everything we do is built to withstand the demands of a rapidly changing world.

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WHAT WE DO

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We provide comprehensive coastal and delta city management including flood risk management, sea system restoration and climate change adaptation, all designed to provide resilience through risk of flooding, storms and environmental change.

We partner with industry leaders to help ensure we deliver a high quality final product. Our process helps deliver clean water and prevent the spreading of disease, contaminated water and pollution, creating a sustainable water supply.

Partnering with governments and businesses to deliver smarter and more resilient solutions that protect their water supplies as well addressing the impact on the environment, infrastructure and operations.

We have the expertise to enable efficient solutions around management the sustainable movement and storage of water and wastewater.

Arcadis Asia – Water
Wuhan is the first of 16 cities in China to launch the sponge city project, which is an integrated water management initiative driven by the central government. The project is aimed to build and develop a new central water infrastructure that can store, rectify and manage water sustainably.

The multidisciplinary approach is designed to provide a clean source of water, protect against flooding, land subsidence and prevent the spreading of disease by controlling the quality and flow of water that enters a city.

The program gets its name from its innovative solution: using life-enhancing public spaces to absorb storm water, making the city more resilient to climate change and natural disasters. Since 2008, the number of Chinese cities affected by floods has more than doubled. As the principal consultant, Arcadis will be providing technical, policy and program management advisory on the Wuhan sponge city programme.

Arcadis was commissioned to act as the principal consultant by Wuhan Water Authority to help advise on its sponge city programme to develop new infrastructure which holds, cleans and drains water, using an ecologically-friendly approach.

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Throughout Asia we have delivered some of the most innovative and world-leading water solutions.
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