

# Amsterdam/Rotterdam: towards a smart global hub and climate proof city

Amsterdam and Rotterdam are investing in smart sustainable growth to ensure a prosperous and resilient future. We are working with our clients to deliver integrated solutions to ensure both cities retain their positions as hubs for business, innovation, air transport and trade.

## Amsterdam



## Rotterdam



## Rotterdam



## 100% climate proof by 2025 The Rotterdam Climate Proof programme



Source: Sustainable Amsterdam, City of Amsterdam Research and Statistics - Summary Yearbook 2014 and Rotterdam Climate Initiative

## Amsterdam - Houses connected to district heating



## Solar PV capacity



## Energy neutral new construction



By 2030, Rotterdam will generate more renewable energy than the city's current total consumption.



Amsterdam is aiming to achieve a circular economy with new forms of production, distribution and consumption.

Rotterdam = 28,202,000 Metric Tons Citywide emissions\*

Amsterdam = 4,455,000 Metric Tons Citywide emissions\*

40% CO2e emissions reduction target by 2025 (on 1990 levels)

\*As reported by the city to CDP Worldwide, 2015

## Key project activities

### ZuidasDok Amsterdam

Plan development and preparatory work for the realization of the ZuidasDok. Amsterdam Zuid station will be expanded and integrated into urban and regional public transport systems to accommodate a growing number of commuters and enhance connectivity. Delivering a high quality urban district whilst taking the highway underground in the vicinity of Zuidas.

### Deltaprogramma Amsterdam and Rotterdam

Working with government, provinces,

water boards and municipalities to protect against flooding whilst safeguarding freshwater water supplies. Arcadis involvement has been central to the creation and delivery of the Delta Programme.

### Rotterdam Central Station

Re-building and renovating Rotterdam Central Station to deliver a new iconic station that will meet the needs of 320,000 passengers per day in 2025. During construction work a temporary station guaranteed equivalent facilities and ensured a safe and adequate pedestrian flow to the platforms.

### Amsterdam Schiphol Airport

Working with Amsterdam Schiphol Airport for many years to plan and deliver projects that allow for its successful growth and continued success as a leading aviation hub.

### Port sites Rotterdam

The Port of Rotterdam is the largest port in Europe, due to the construction of the 2nd Maasvlakte several port sites were released. Providing process and program management, project management, planning, financial advice, feasibility studies and organisation advice to deliver value for our client.



Arcadis is a programme partner of Amsterdam Smart City, a unique partnership between companies, governments, knowledge institutions and the people of Amsterdam. It is a frontrunner in the development of Amsterdam as a Smart City. A city where social and technological infrastructures and solutions facilitate and accelerate sustainable economic growth and improve the quality of life.

## Our Focus



### Mobility

Delivering Mobility Oriented Development (MODE), to create mixed use and multi-modal urban environments, at and around transportation hubs. We deliver the highest possible outcomes for the prosperity and health of people, predicting measurable social and economic benefits whilst maximizing the return on investment in urban mobility.



### Resilience

At the forefront of delivering resiliency strategies and solutions to ensure our communities, businesses, buildings and infrastructure can respond to the impacts of climate change. Applying our globally recognised expertise in water management and flood protection to ensure that the Netherlands continues to thrive.



### Regeneration

Unlocking value through efficient planning and management of land and built assets. Renewing depleted assets and facilitating urban transformation to deliver exceptional outcomes for our clients. Ensuring an investable and responsible approach promoting economic, social and environmental gain.