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.

### 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.
- 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.
- Developing the Port of Rotterdam for its successful growth and continued success as a leading aviation hub.
- 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.

**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.
- 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.

**Amsterdam Smart City**
- 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.

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**Amsterdam – Houses connected to district heating**

<table>
<thead>
<tr>
<th>Year</th>
<th>2015</th>
<th>2020</th>
<th>2040</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>62,000</td>
<td>102,000</td>
<td>230,000</td>
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</table>

**20% 2013 to 2020 renewable energy per capita**

**Solar PV capacity**

<table>
<thead>
<tr>
<th>Year</th>
<th>2013</th>
<th>2020</th>
<th>2040</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5,000 households</td>
<td>80,000 households</td>
<td>450,000 households</td>
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**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**

**45% CO2e emissions reduction target by 2025 (on 1990 levels)**

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