

## IMPACT FACTSHEET

# Arcadis

### Main impact area

WHAT	 <i>Is the outcome important?</i>	Upgrade & protect infrastructure against climate change effects
WHO	 <i>Does this help people in need?</i>	Climate change threatens the livelihoods and lives of billions of people
HOW MUCH	 <i>Scale</i> <i>Depth</i> <i>Duration</i>	Arcadis provides clients with expertise upgrading infrastructure for sustainability and resilience against climate change effects
CONTRIBUTION	 <i>How do the alternatives do?</i>	Arcadis has contributed to the protection of 200,000 residents
RISK	 <i>What if it doesn't go as planned?</i>	Low probability

### WHAT

- Cities are responsible for 75 percent of global CO2 emissions, with transport and buildings being among the largest contributors.
- At the same time, they are most vulnerable to the consequences of climate change: Alone the effort of protecting coastal communities in the US will require \$400B in the next 20 years.
- More extensive deployment of clean technologies increases the likelihood of achieving the proposed target of upgrading infrastructure to make it sustainable and resilient, with increasingly efficient use of resources and greater adoption of clean and environmentally sound technologies.

### WHO

- Infrastructure is vulnerable to climate change effects, including sea level rise, storm surge, and extreme weather events.
- Sea level rise and storm surge, in combination with the pattern of heavy development in coastal areas, are already resulting in damage to infrastructure such as roads, buildings, ports, and energy facilities.
- World population is set to hit nearly ten billion by 2050. Combined with rapid urbanization, public budget pressure and climate challenges, mobility requires innovative answers.

### HOW MUCH

- Arcadis designs solutions to mitigate climate change but also to protect clients and citizens from the consequences of climate change.
- Clients are supported in areas of infrastructure, buildings, environment & water. Zero emission buildings, coastal protection, rail infrastructure and industrial site remediation are key competencies of the group.
- Since the firm's impact on the limitation of climate change effects is biggest in the projects they do for clients, Arcadis now has a business area 'Resilience'. This business area focusses on projects that mitigate climate change risks and transform the way we generate energy. In 2020 Arcadis delivered many projects in this business area and started new challenging ones. We highlight a few:
  - **Helping Antwerp realize its climate ambitions:** Arcadis supported the City of Antwerp in a 4-year project on their route to become climate neutral by 2050 through delivering program management and technical expertise for the development of a city-wide district heating network. This district heating network will connect the Port of Antwerp with the city and unlock industrial waste heat from Europe's largest chemistry cluster. By 2030, the first pilot zones will already result in a reduction of 8,1% of the total CO2 emissions of the city.
  - **New York City, NY, USA:** Within the East Side Coastal Resiliency Project, Arcadis reached the protection of 200,000 residents and 21,000 businesses.
  - **In Germany,** Arcadis supported and managed a team of cooperation partners to build a 1,300 km highway for wind and solar energy, contributing to the sustainable energy transition.

### CONTRIBUTION

- While Arcadis itself in 2020 issued its ambition to make sustainability central to all the company does, its impact is much bigger as Arcadis continues to help clients reduce their climate impact.
- In addition to work on eradicating the causes of climate change, Arcadis increasingly assists communities with strategies to combat the effects of this global threat.

### RISK

- It is unlikely that Arcadis will not live up to its commitment to support cities in the effort of upgrading infrastructure for sustainability.



**SDG 9: Industry, Innovation, and Infrastructure – Target 9.4: Upgrade all industries and infrastructures for sustainability – Indicator 9.4.1: CO2 emissions per unit of value added**

### PROJECT OUTCOMES EAST SIDE COASTAL RESILIENCY PROJECT

<b>200,000</b>	<b>21,000</b>	<b>2.4</b>
Residents to be protected	Businesses to be protected	Miles of protection

### PROJECT OUTCOME RENEWABLE ENERGY BACKBONE GERMANY

