Digital Foundation for Digital Cities

Amsterdam, 2 April 2019
Population growth

2.5B
Additional people
Between now and 2050

Source: UN
Urbanisation

1.3B People move towards cities
Between now and 2050

Source: UN
Climate change

1.5 ºC
Temperature rise

Between now and 2050

RISING SEALEVEL  FLOODING  CYCLONES  TSUNAMIES  DRAUGHT

1. Compared to pre-industrial levels; Source: IPCC Fifth assessment report, United Nations
Transition requires Digital Solutions, enabling ...

1. Smart infrastructure
   • Water – Capture and re-use, protection
   • Energy – Renewable
   • Food - Locally
   • Transport – Driverless car & drones

2. Multi layered use of space

3. Safe and livable
Requires deep understanding of current structures and subsurface
Geo-data is the key to design, build & improve

- Geophysical data
- Metocean data
- Geohazard data
- Geodynamic data
- Geochemical data
- Geospatial data
- Geotechnical data
- Global positioning data
Digital Foundation is the cornerstone for Digital Cities

The Digital Foundation is a digitised, spatial and Geo-data framework; a four dimensional model that provides our clients with a deep understanding of their site and their assets.
Our Purpose

Together we create a safe and liveable world