



Digital Foundation for Digital Cities

Amsterdam, 2 April 2019

Population growth

2.5B
Additional people
Between now and 2050

ENERGY

WATER

FOOD

MINERALS

Urbanisation

1.3B
People move towards cities
Between now and 2050

ROADS RAIL AIRPORTS BUILDINGS TUNNELS BRIDGES HARBOURS

Climate change

1.5 °C
Temperature rise¹
Between now and 2050

RISING SEALEVEL FLOODING CYCLONES TSUNAMIES DRAUGHT

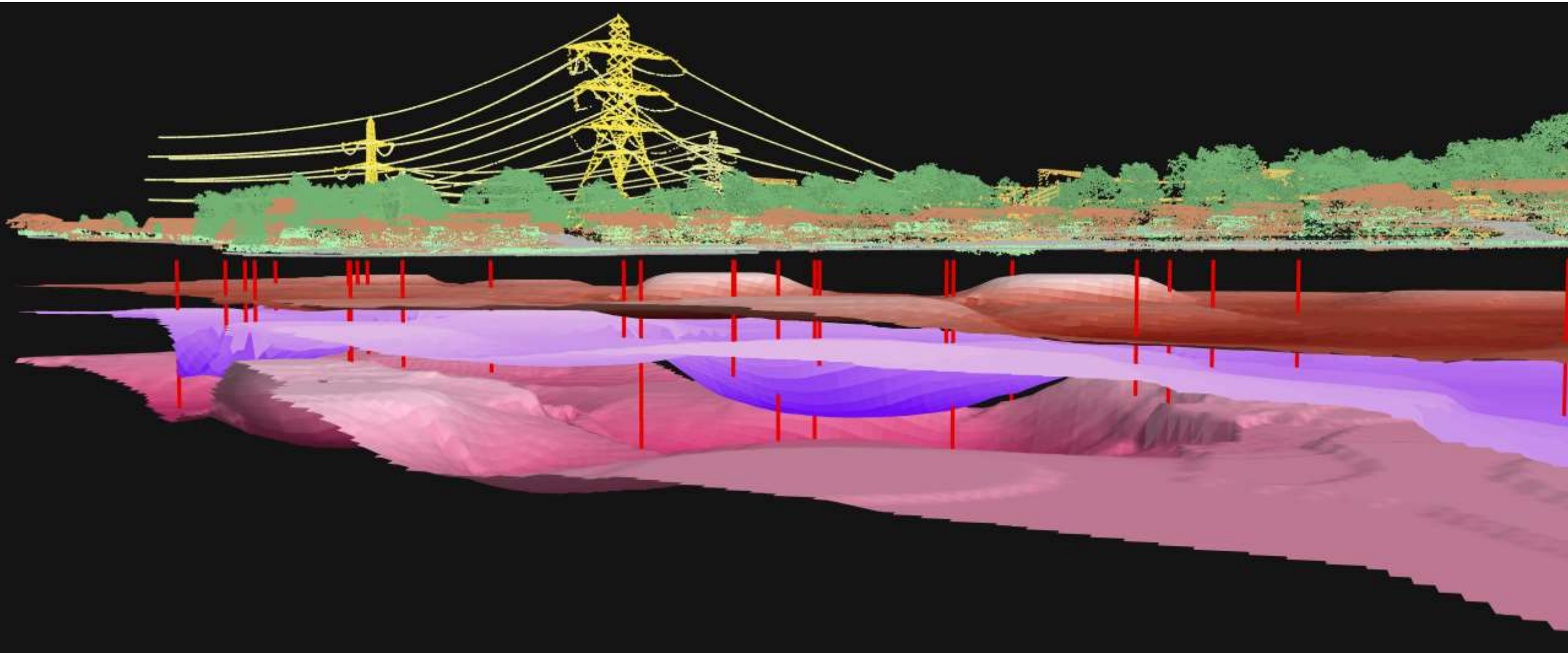
1. Compared to pre-industrial levels; Source: IPCC Fifth assessment report, United Nations



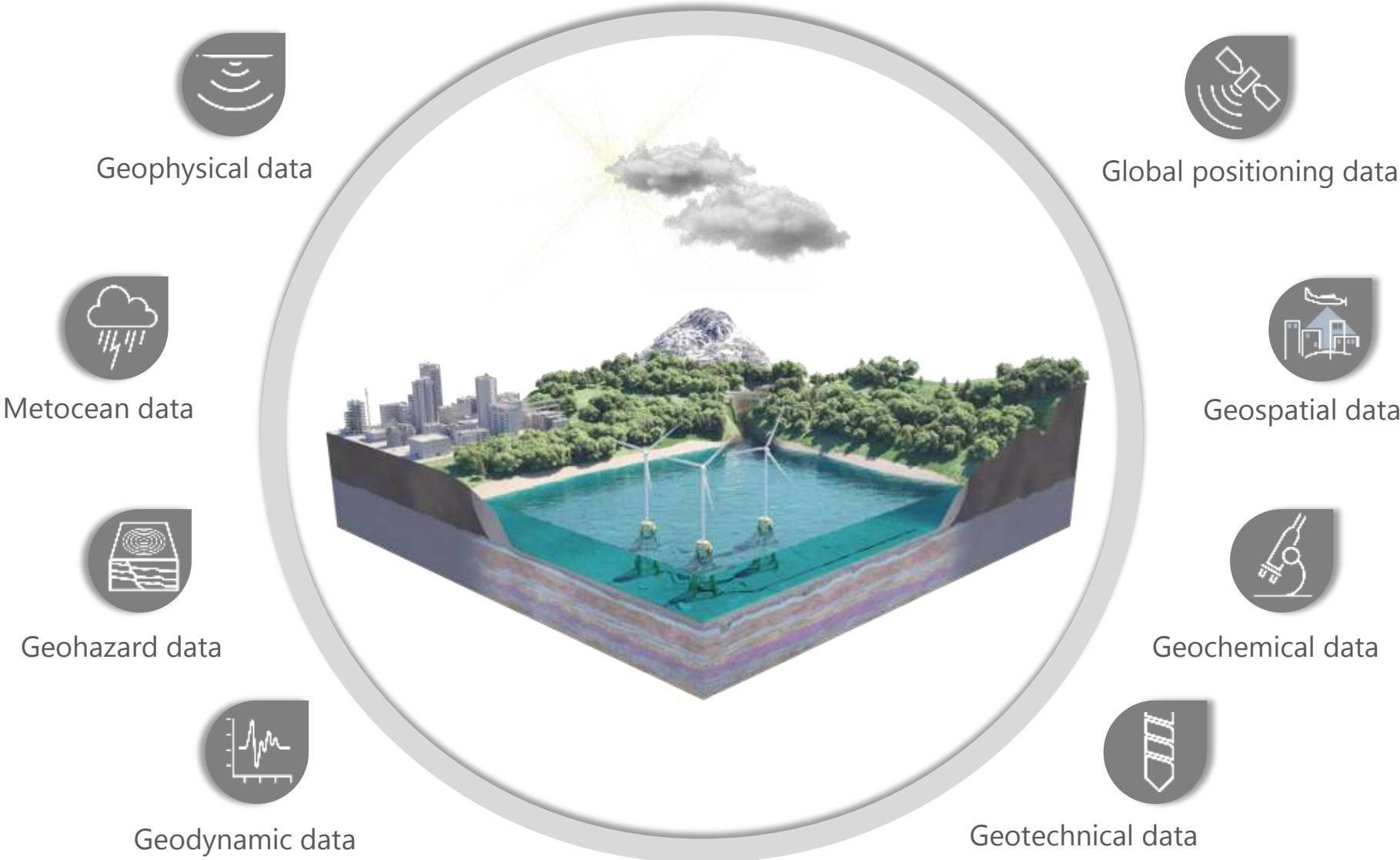
Transition requires Digital Solutions, enabling ...

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

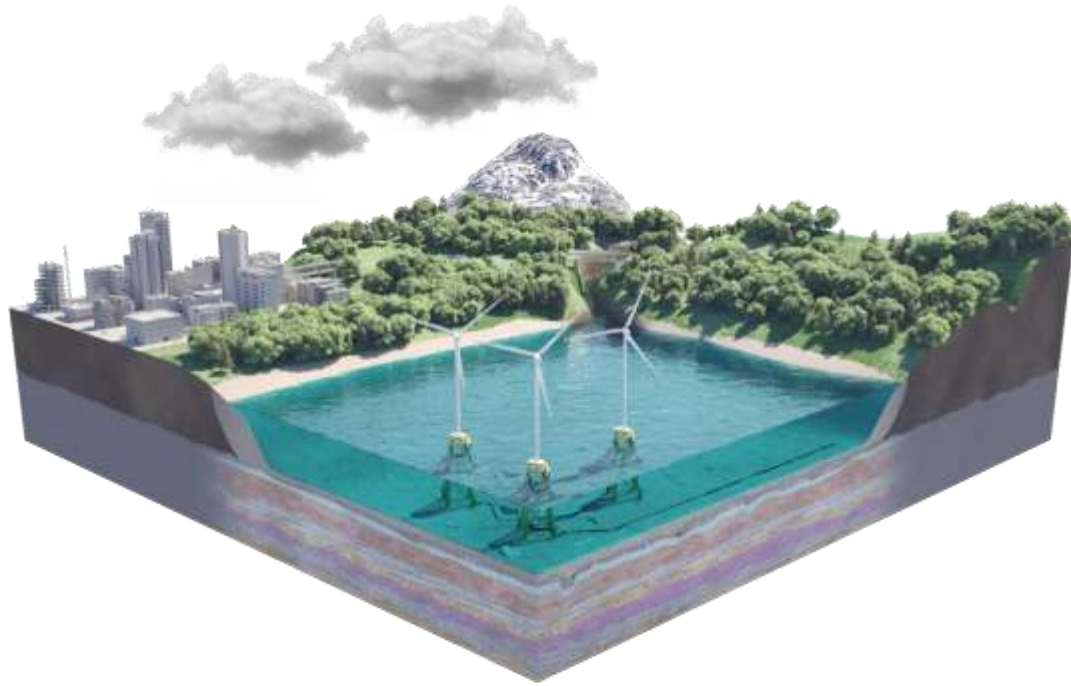
Requires deep understanding of current **structures** and **subsurface**



Geo-data is the key to design, build & improve



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