

A city perspective on enhancing outcomes through digital

Clare Wildfire
Global Practice Lead - Cities













City drivers

To improve outcomes for citizens

1

Quality of life

2

Social
progress

3

Growth

4

Services

5

Efficiency

6

Resilience

7

Health, safety & security





Smarter Cities: enabled by digital

Putting data into service for improved
citizen outcomes

- Individual city sector smart
- Joined up city sector smart
 - Integrated infrastructure
 - Integrated/digitally connected citizens
 - Integrated organisation
- Transboundary city smart

Individual city sector:

Digital is an enabler of efficiency



Integrated infrastructure

Value lies in a system of systems app

Digital enables integration

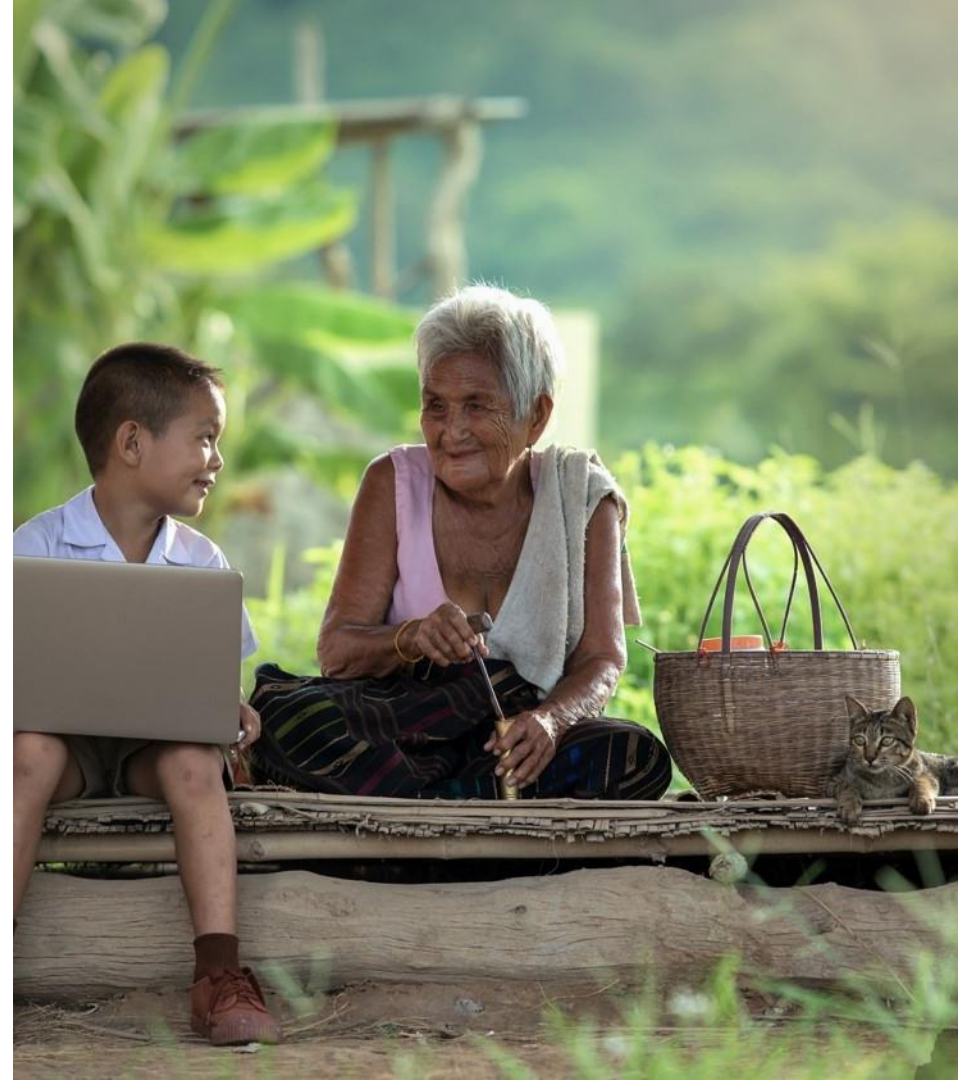
- Integration brings:
- Whole life value
- Improved resilience
- Reduced demand
- Enhanced performance



Integrated & digitally connected citizens

Enhanced empowerment & trust

- Greater transparency & access to information
- Better citizen relationships with municipality & service providers
- Improved social inclusion & support
- Greater citizen convenience



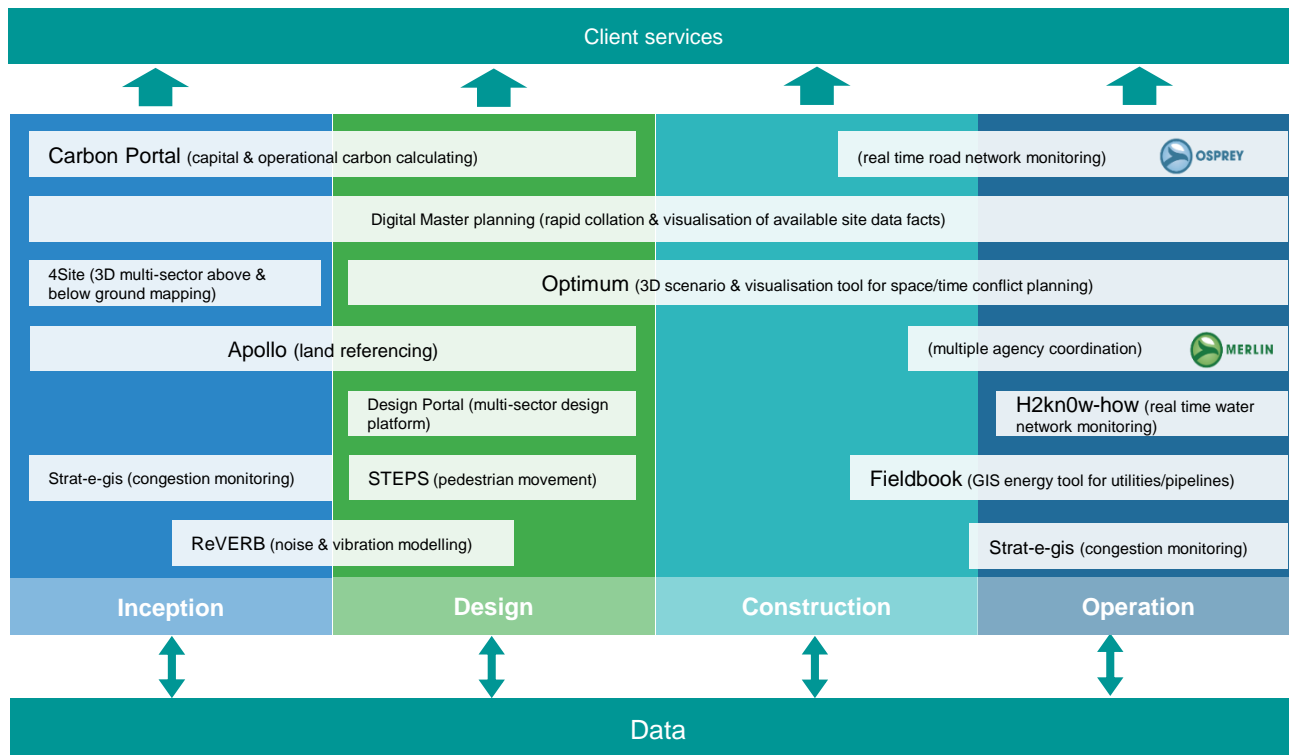
Integrated organisation

“Your value will not be what you know; it will be what you share.”

-President & CEO, IBM

- Better, faster, more inclusive decisions
- Improved whole life value considerations
- Better collaborative processes
- Wider service provision
- Improved supply chain innovation

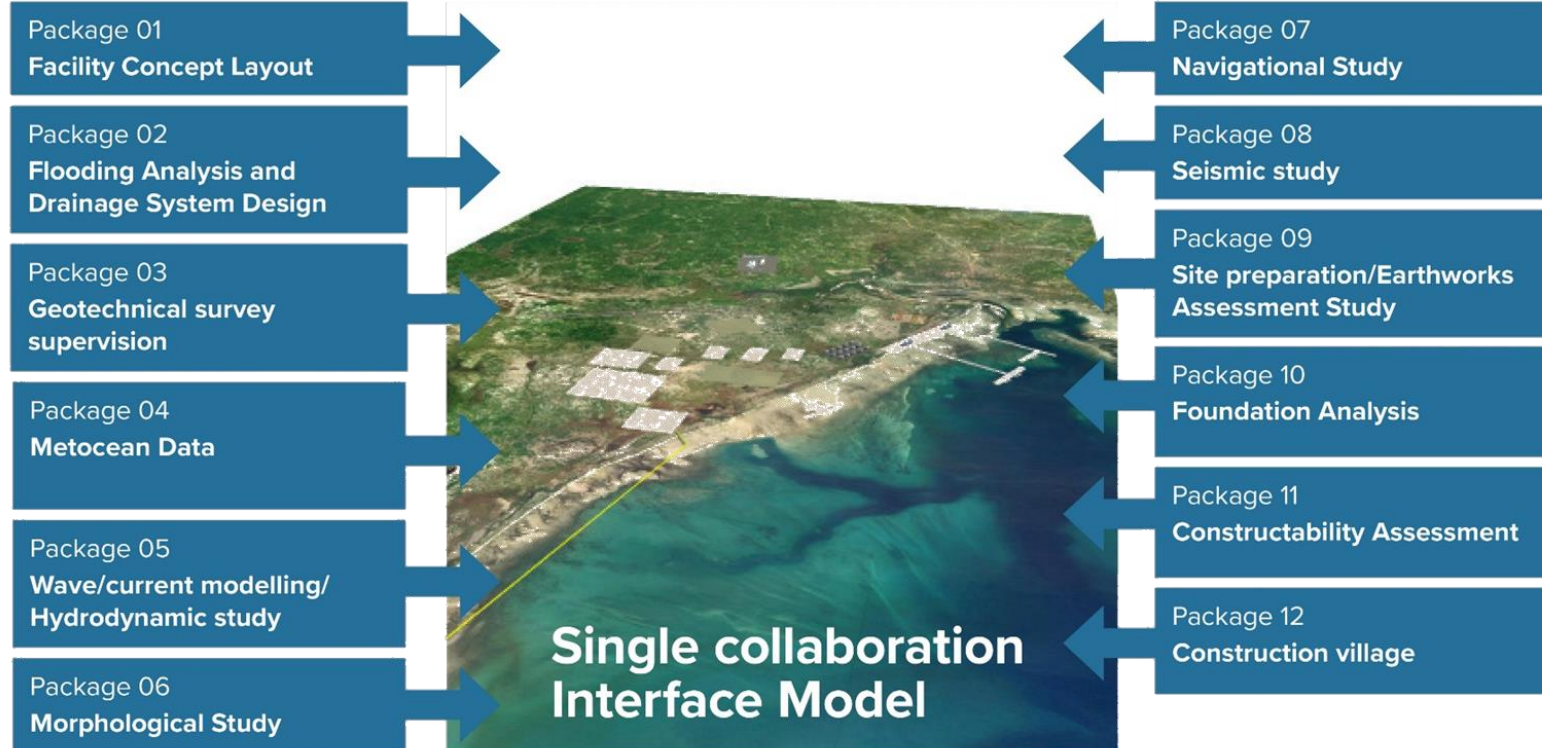
Mott MacDonald's digital toolset



Case Study

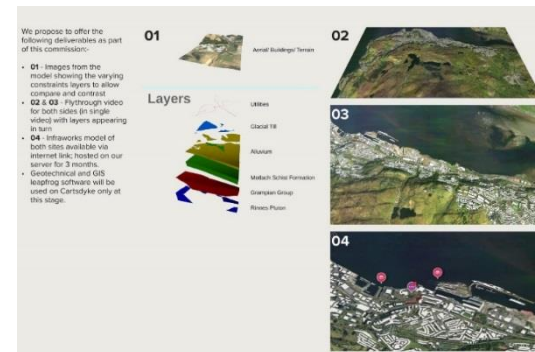
Smart Sustainable Districts 'Smart District Data Infrastructure' platform

Single Collaboration Interface Model



Scoping selection

Riverside Inverclyde, Glasgow



Case Study

Climate KIC: Smart Sustainable Districts Data Platform

Smart Sustainable District Network

● NEW DISTRICTS



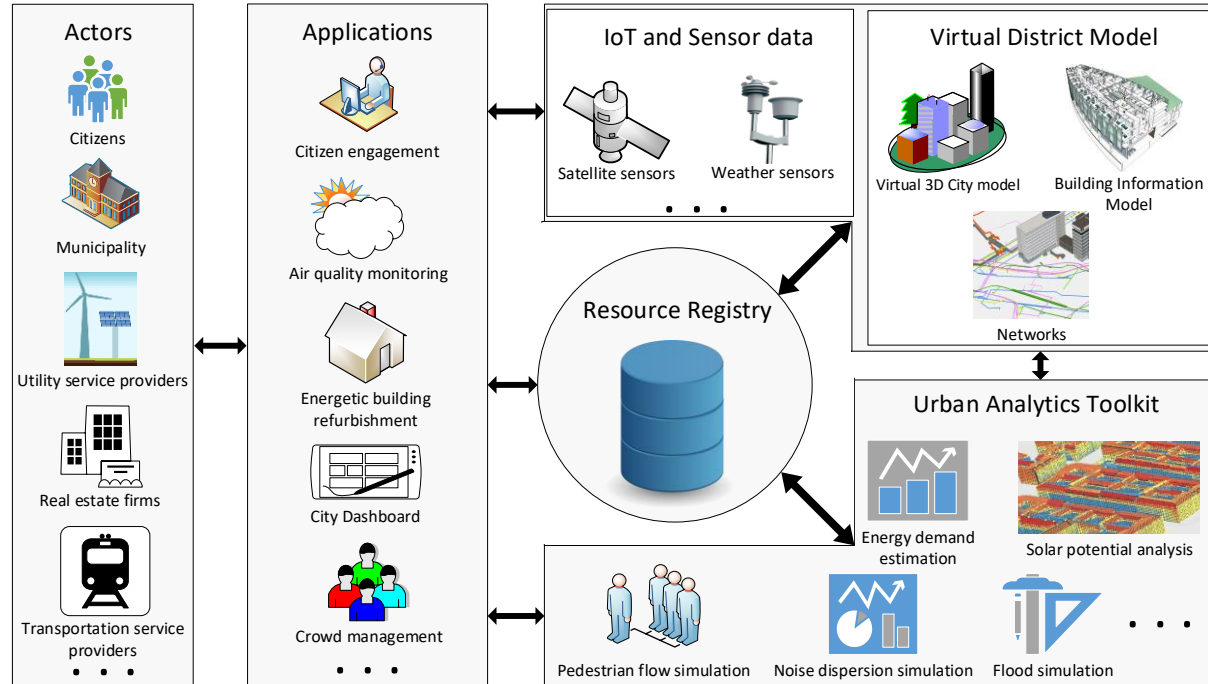
Facilitating integration at district scale

Smart District Data Infrastructure (SDDI)

Standardised data framework: assembling the components

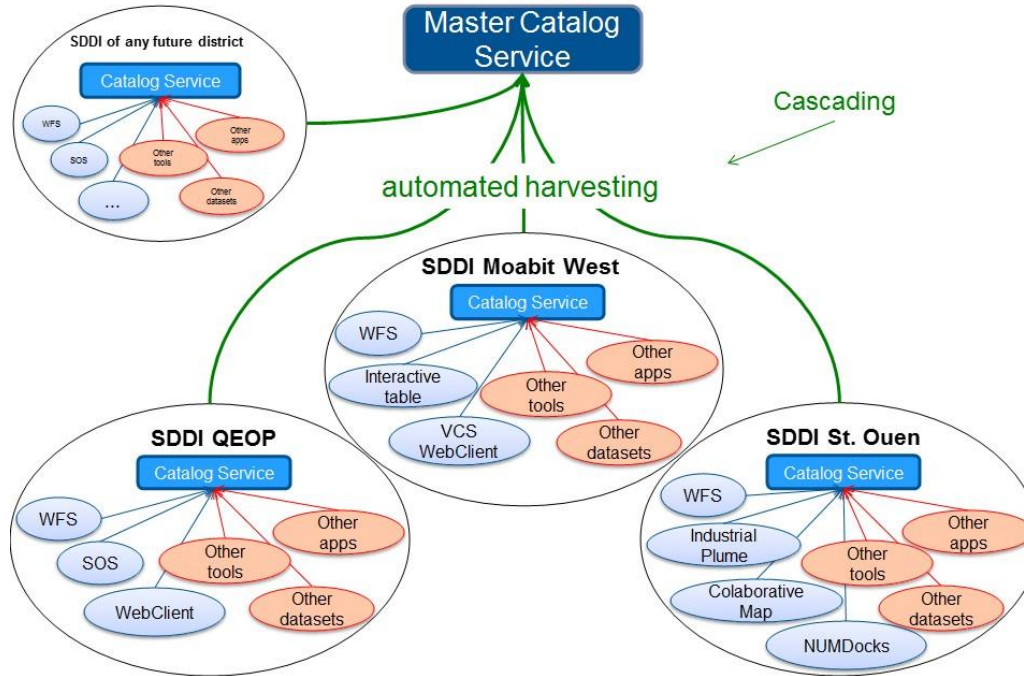


Technical
University
of Munich



T. H. Kolbe – TU Munich;
Smart District Data Infrastructure

SDDI Catalogue Service





Queen Elizabeth Olympic Park

Opportunity

Digital is part of Development Corporation's plan to move highly successful estate of 2012 London Olympics into vibrant, innovative and sustainable parkland legacy

CKIC Innovation Solutions

- TUM created CityGML platform for multiple data sources from park estate
- Testing innovative citizen engagement methods

Outcome

- 'Single source of truth' at district scale
- Harmonised data => potential for improved operations and energy management
- Enhanced citizen insight through engagement using smart methods

Docks de St Ouen, Paris

Opportunity

- Multi-phased “EcoQuarter” development over long build-out timescale
- Plan to provide citizens with their resource use data so as to influence behaviour change

CKIC Innovation Solutions

- TU Munich ‘SDDI’ platform used to provide resource-use application
- But also introduced functionality that responded to other citizen requests for interface with developer

Outcome

- Improved developer/citizen relationships
- Improved traction for “behaviour change” feedback to users



Thank you

clare.wildfire@mottmac.com

A decorative graphic consisting of two white mountain peaks of different heights, positioned on the right side of the slide against the blue background.