GEOSPATIAL-BIM-INDOOR: ROOM FOR INTEGRATION

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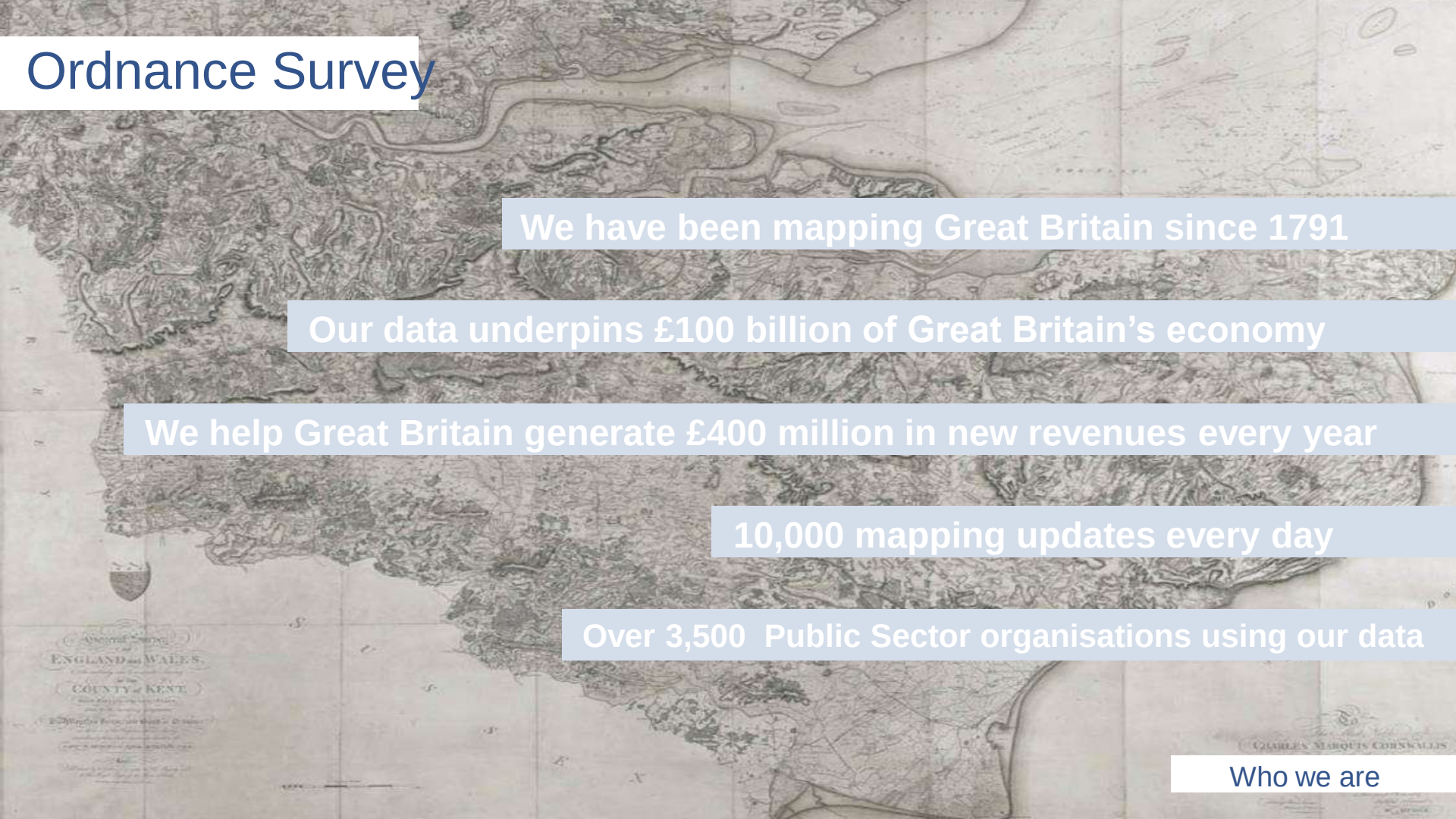


We have been mapping Great Britain since 1791

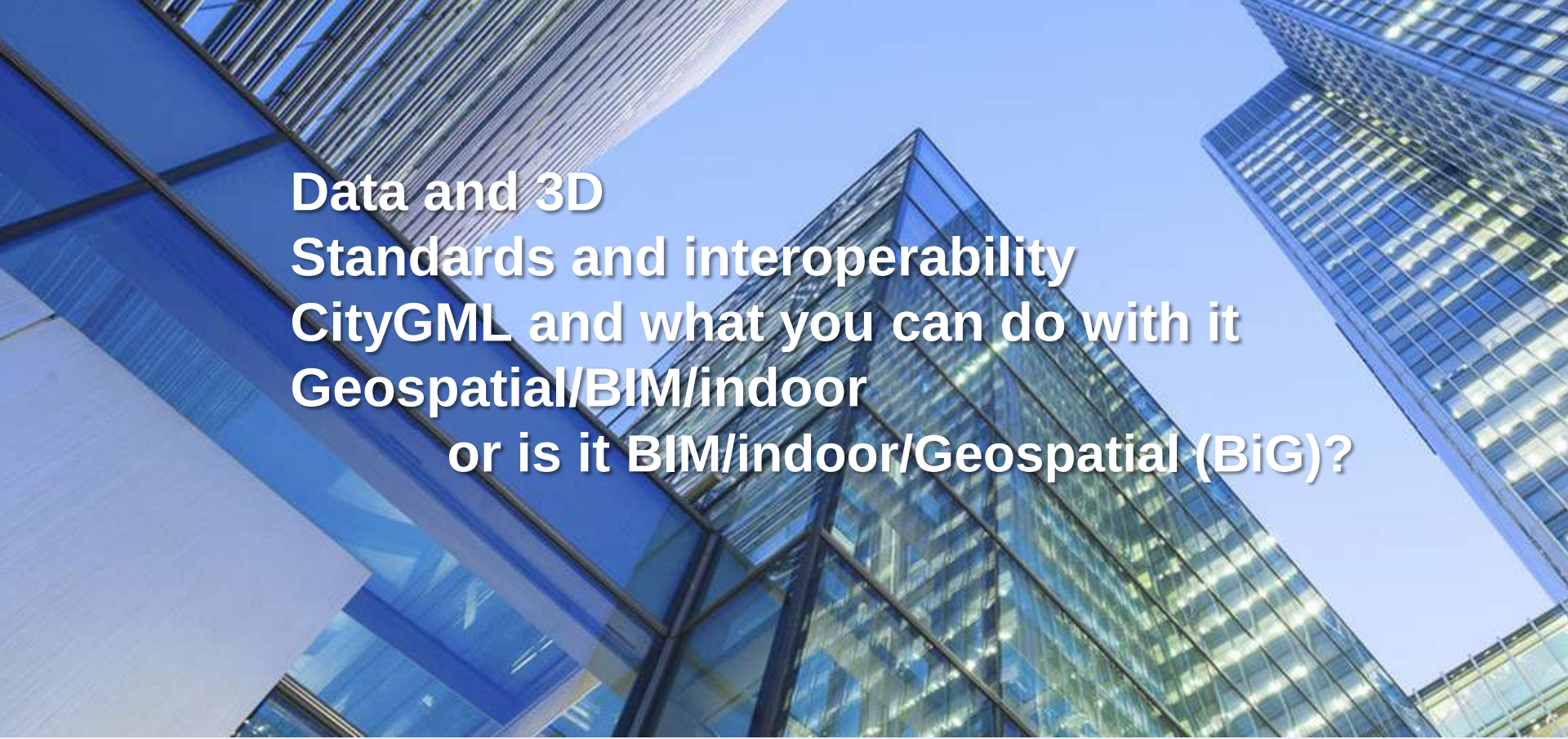
Our data underpins £100 billion of Great Britain's economy

We help Great Britain generate £400 million in new revenues every year

10,000 mapping updates every day

Over 3,500 Public Sector organisations using our data

Who we are



Data and 3D
Standards and interoperability
CityGML and what you can do with it
Geospatial/BIM/indoor
or is it BIM/indoor/Geospatial (BiG)?

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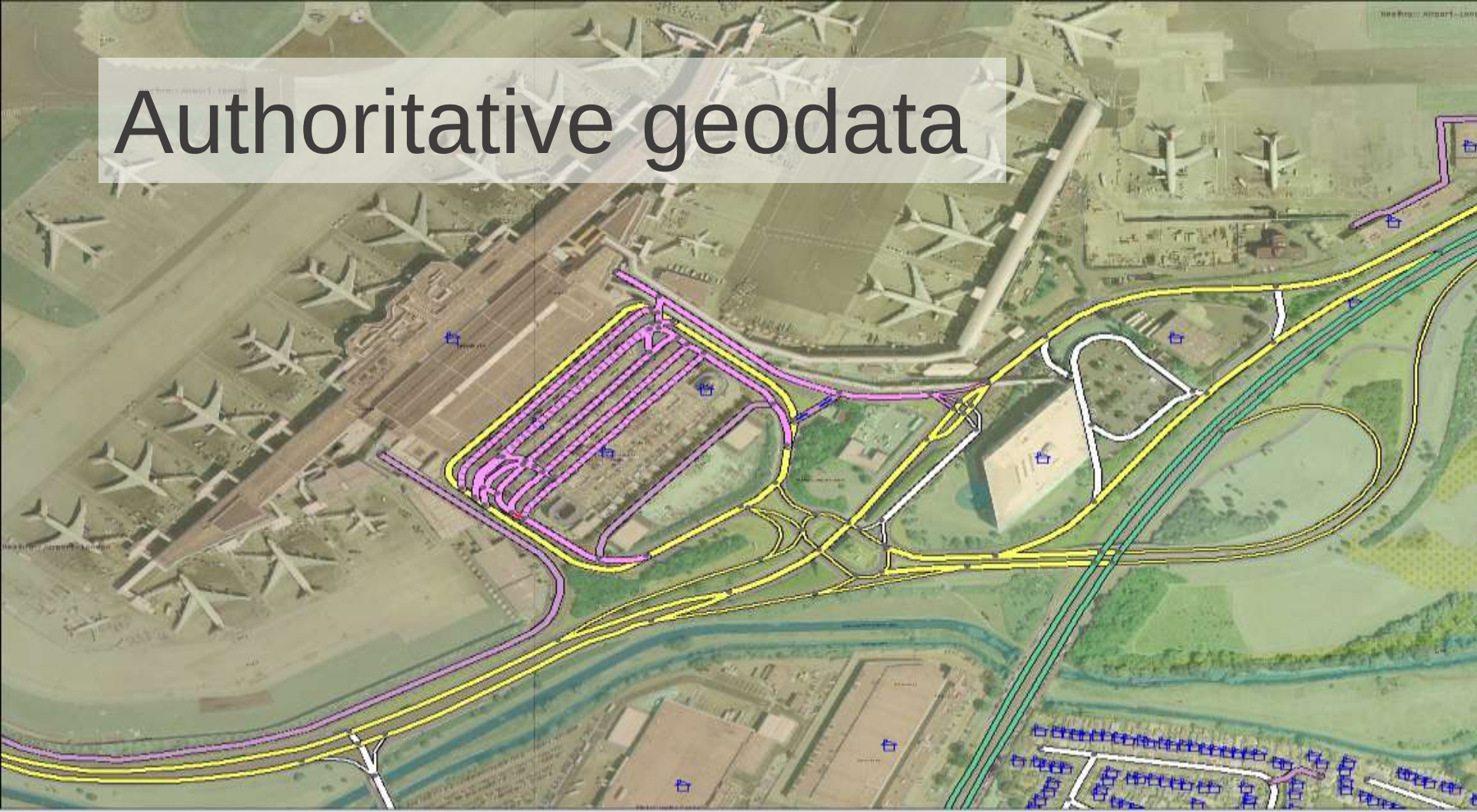
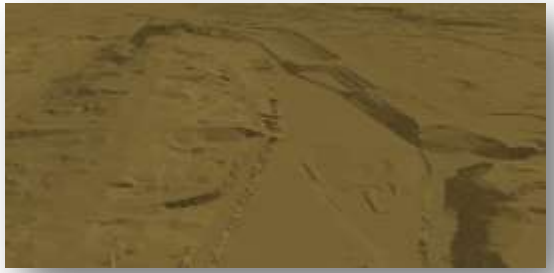
GeoBuild, KL, 30 September 2015

Authoritative geodata



ORDNANCE SURVEY'S CURRENT 3D OFFERING FOR AEC

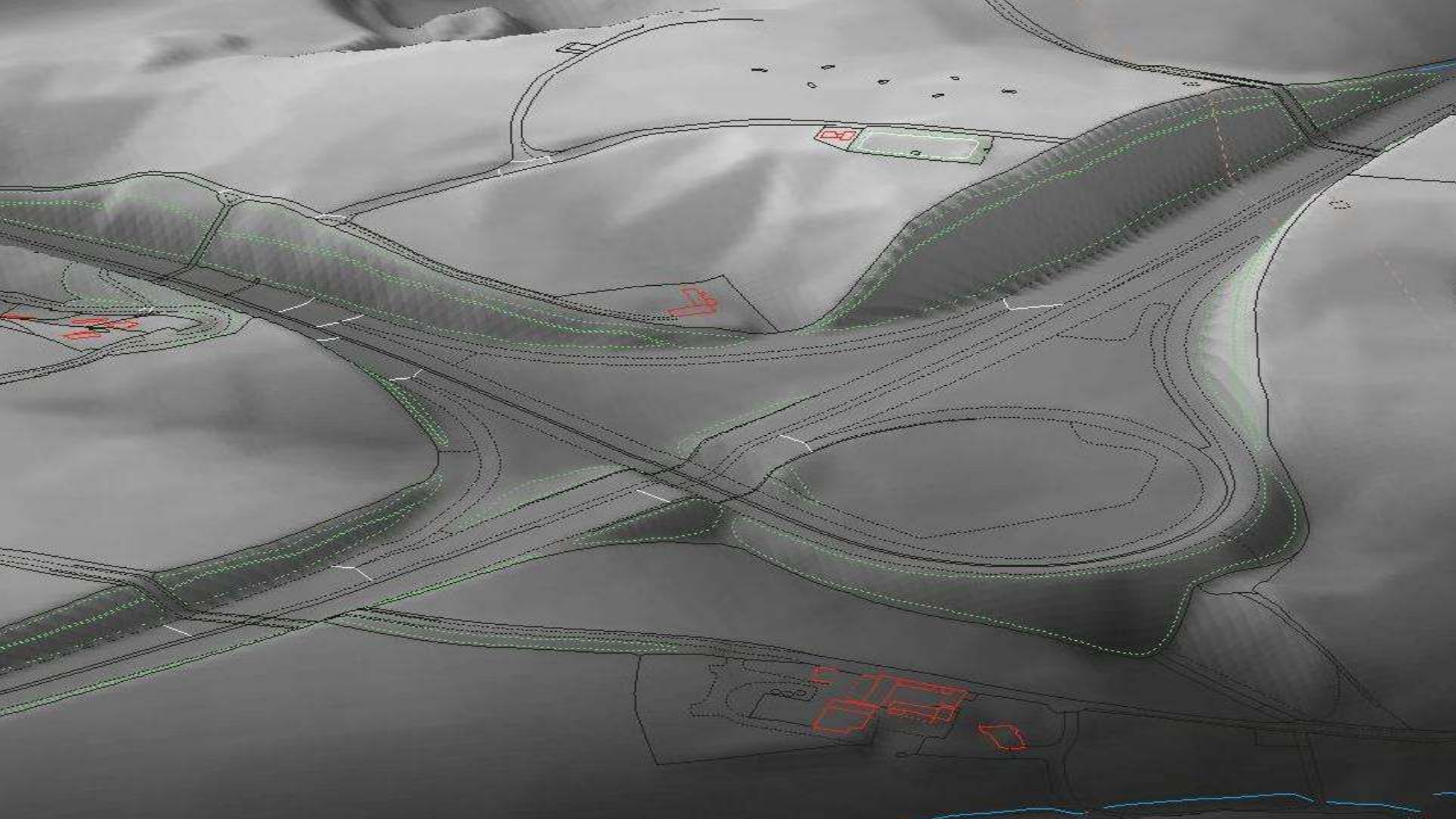


Digital Elevation Models

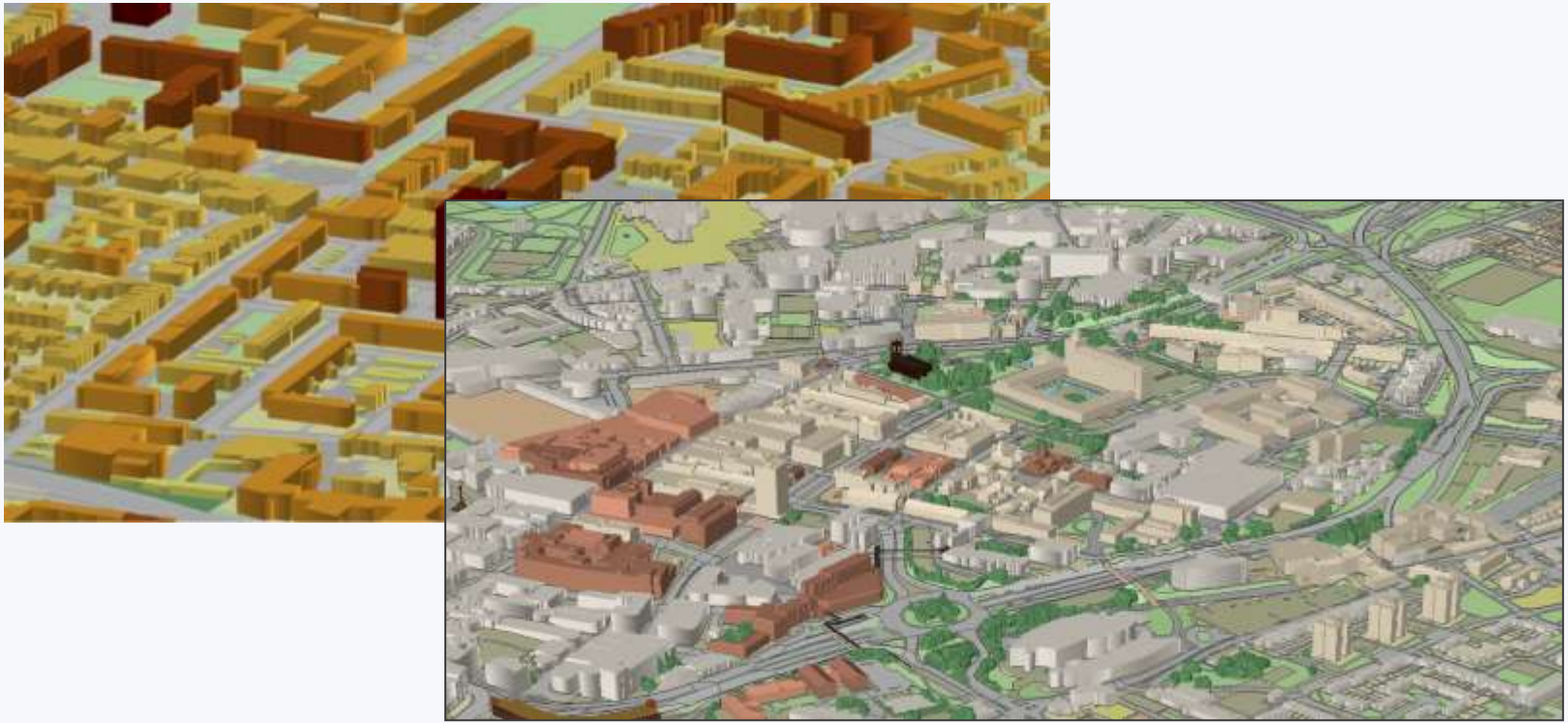
Heighted surface features

3D elevated features

*i*DTM: Consistently managed height

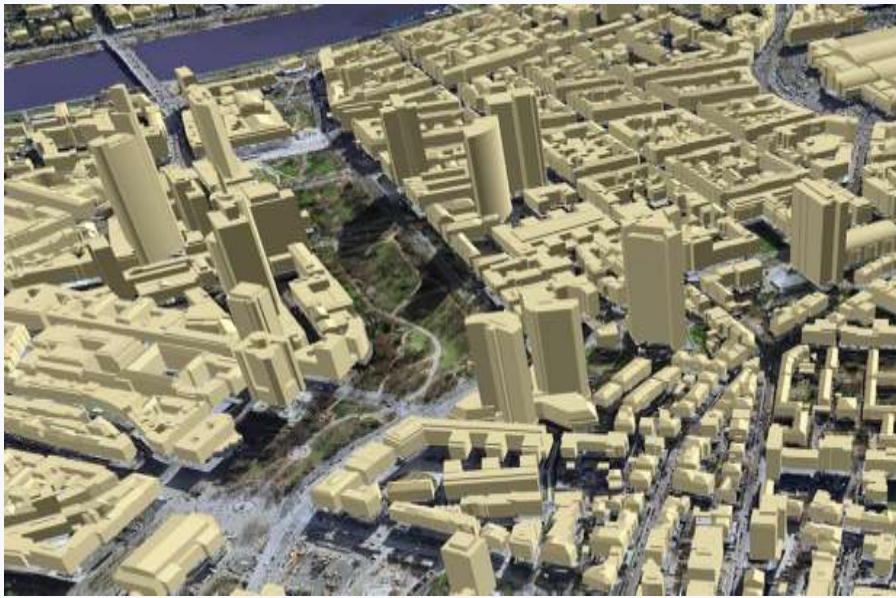


3D BUILDINGS



Real world model

Virtual



OPEN STANDARDS

OGC®

Making location count.

Ordnance Survey

BRIDGING THE WORLDS

BIM (IFC, proprietary)

↕

Survey (Land-/Infra/-IFC)

↕

GIS ([City]GML, proprietary)

Importance of standards

Integrated Digital Build Environment Working Group

CITYGML—LEVEL OF DETAIL

Graphic by Filip Biljecki, TU Delft

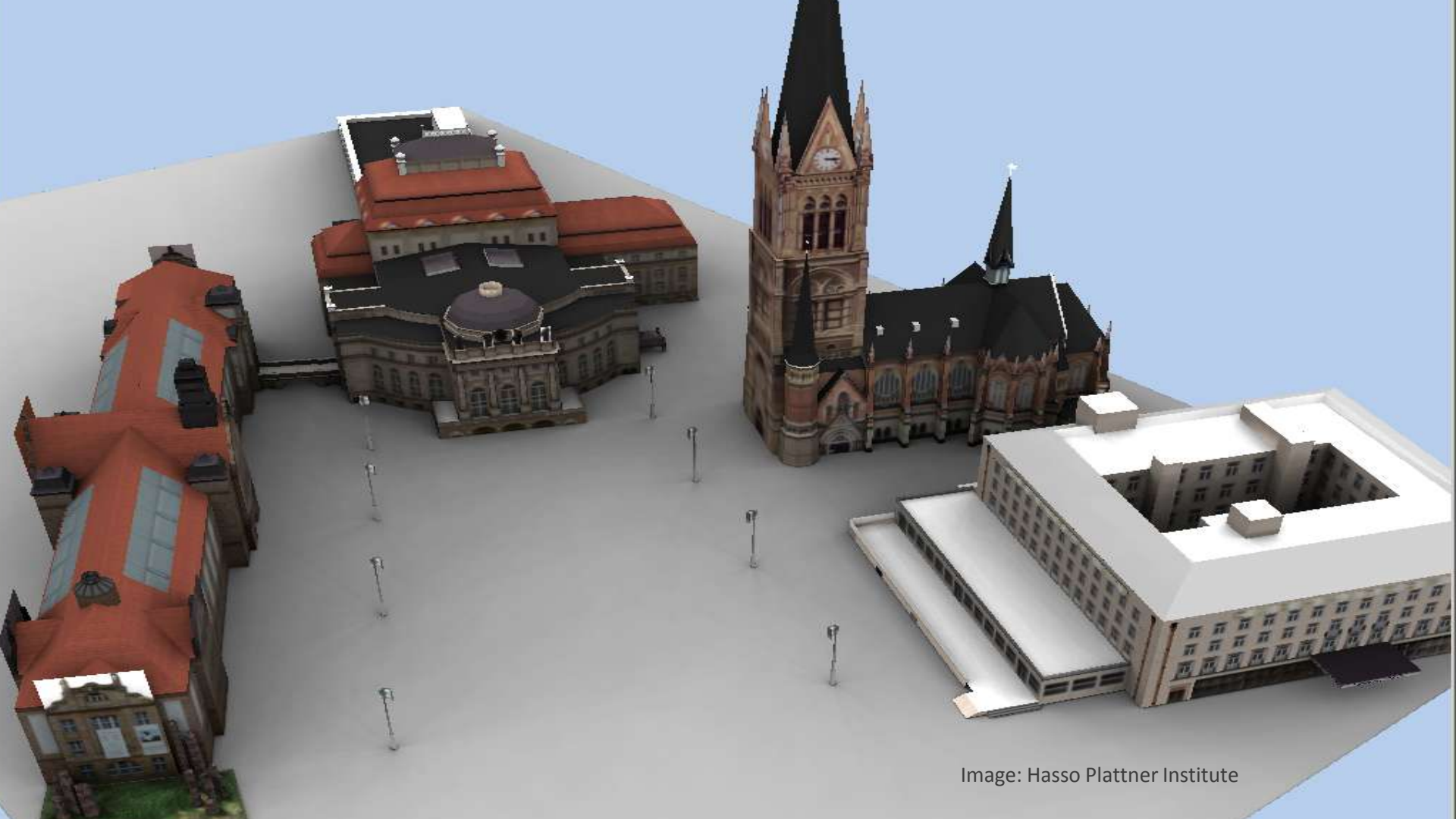
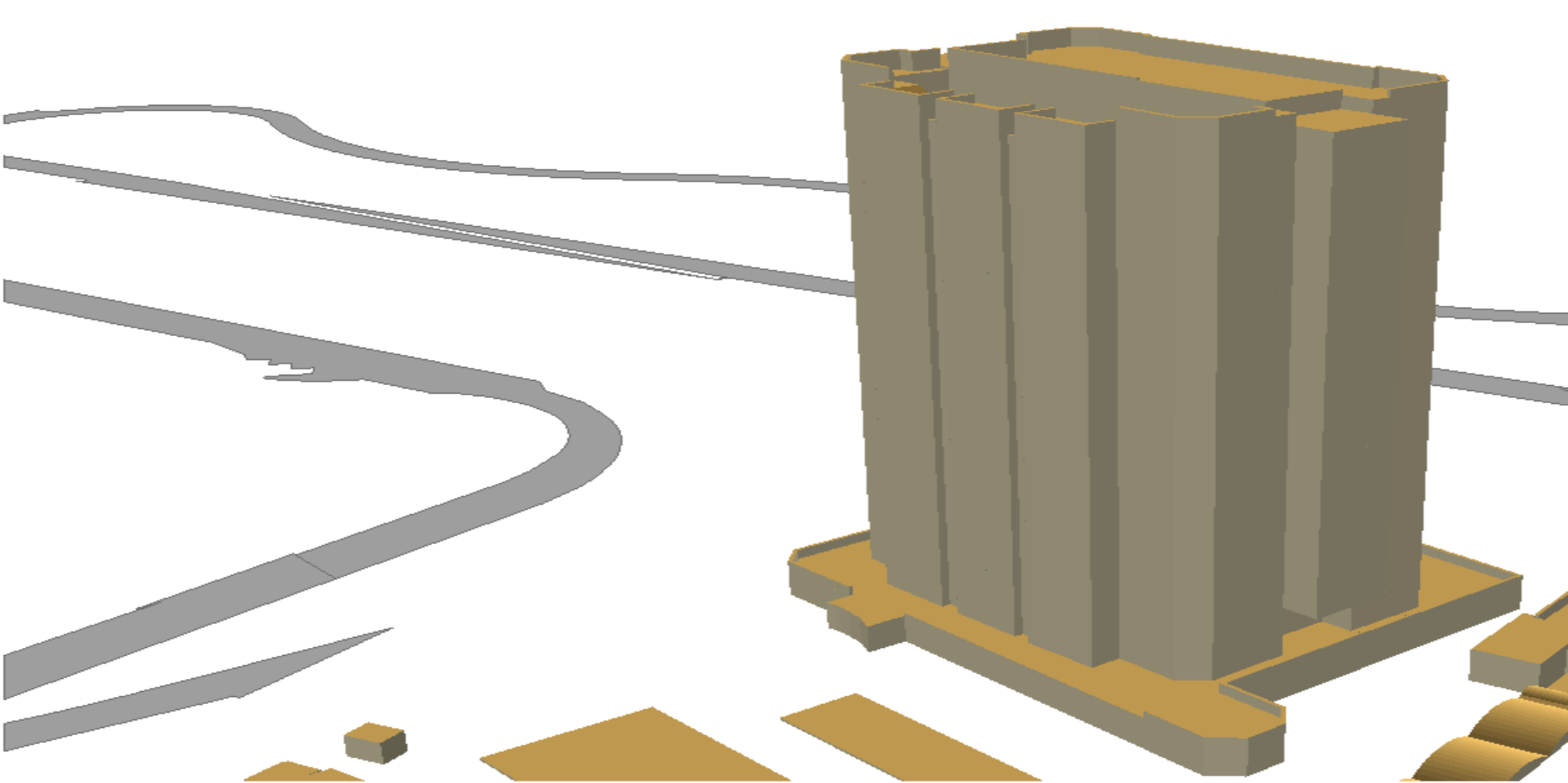
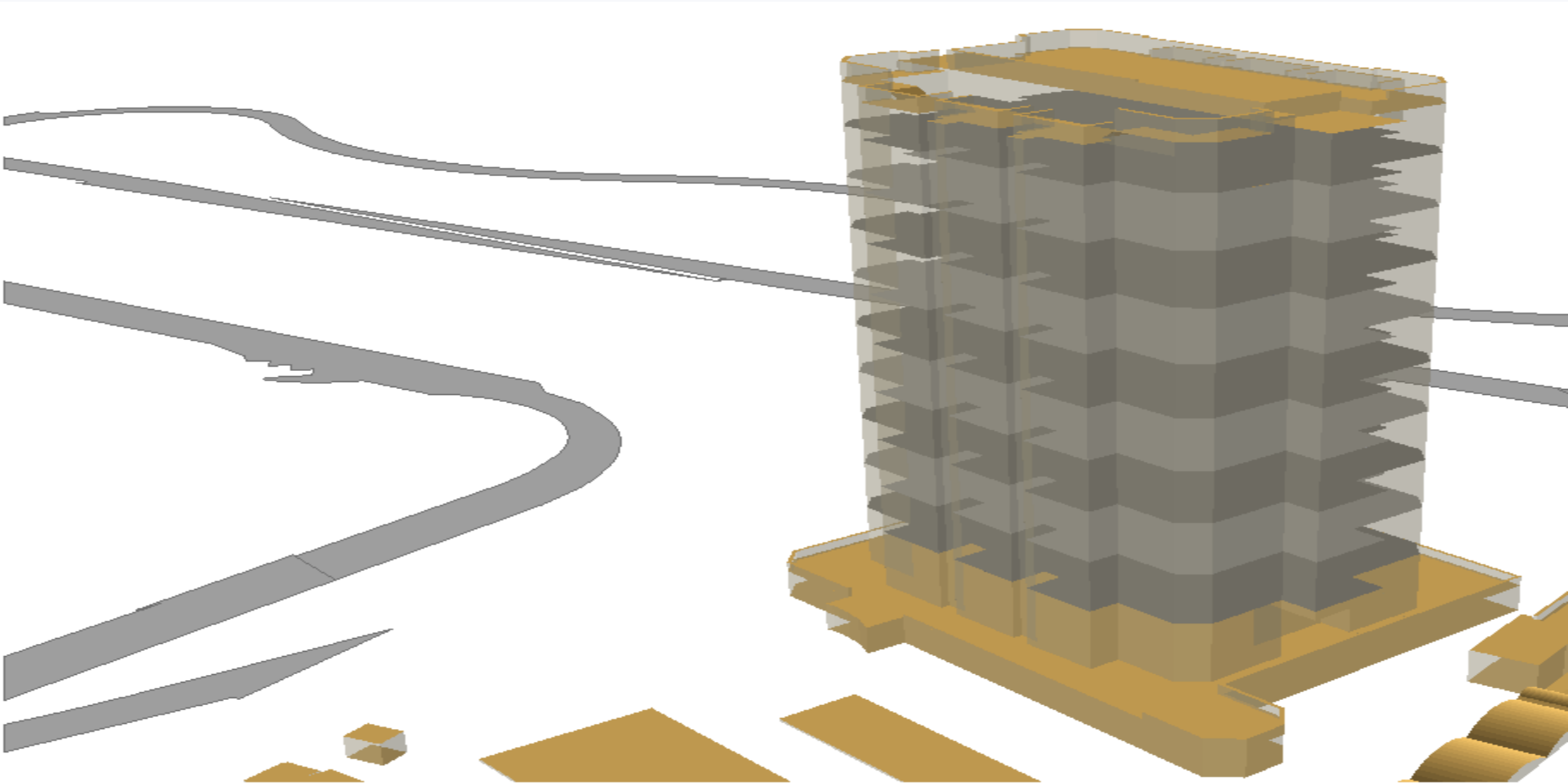
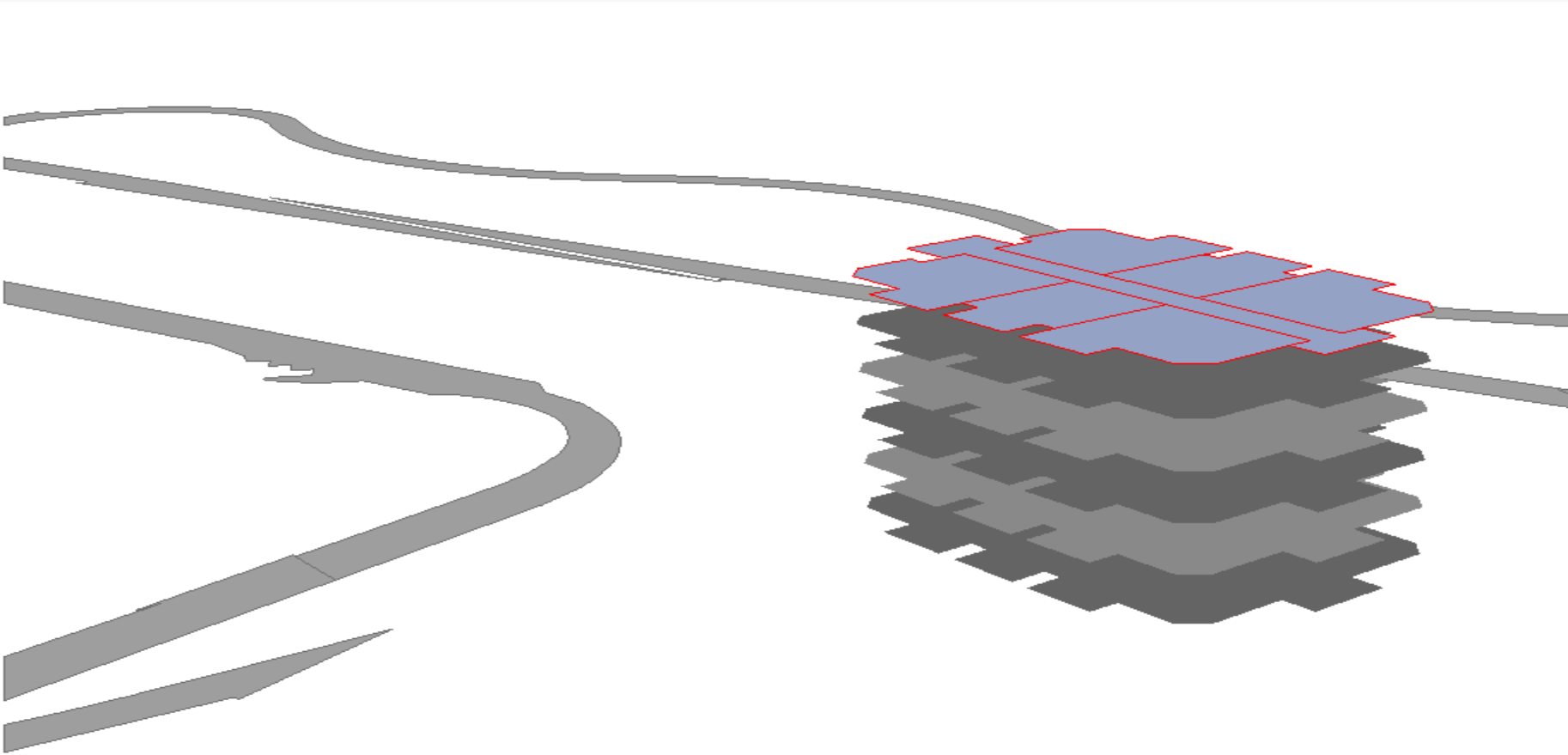
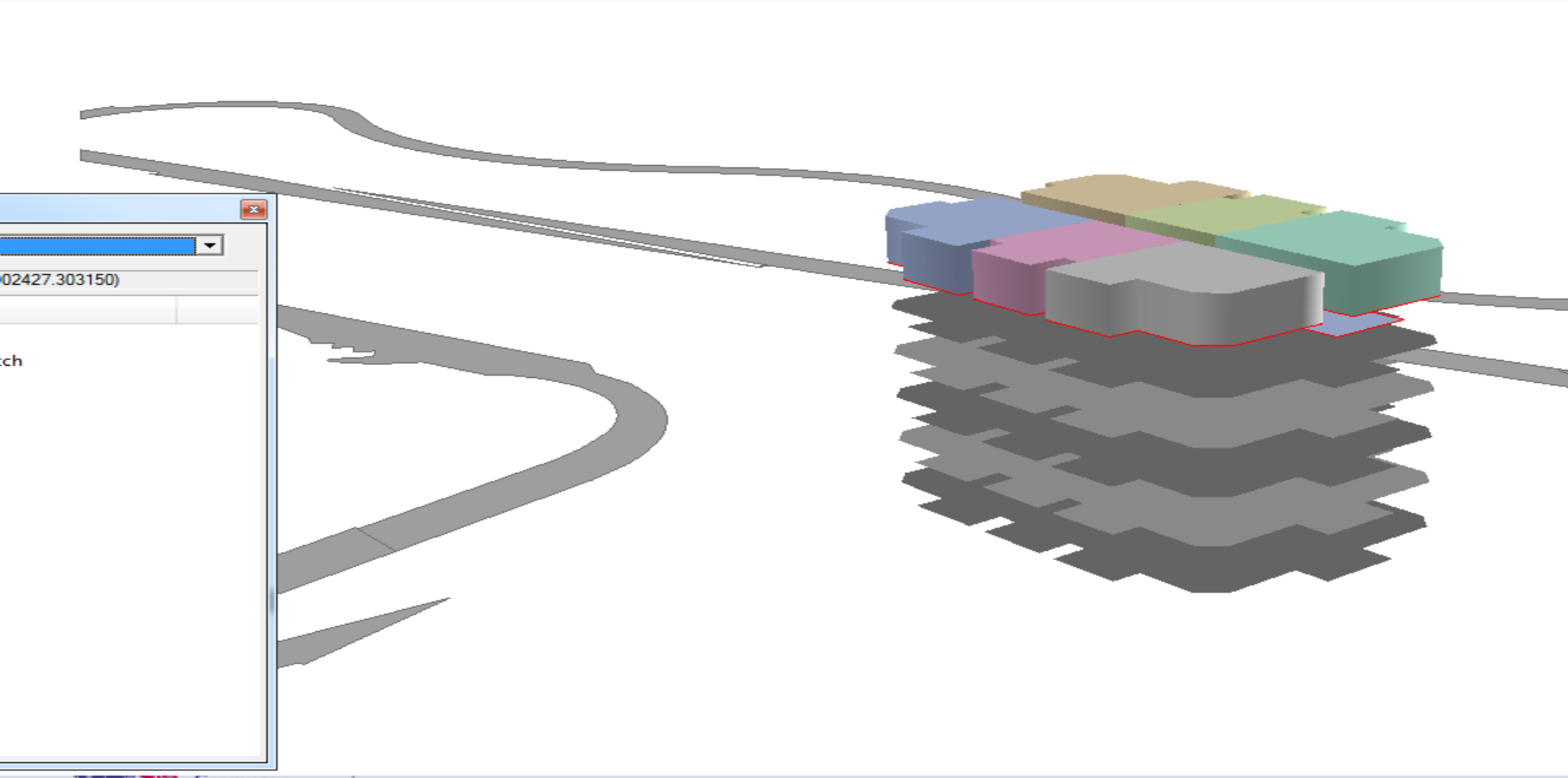


Image: Hasso Plattner Institute





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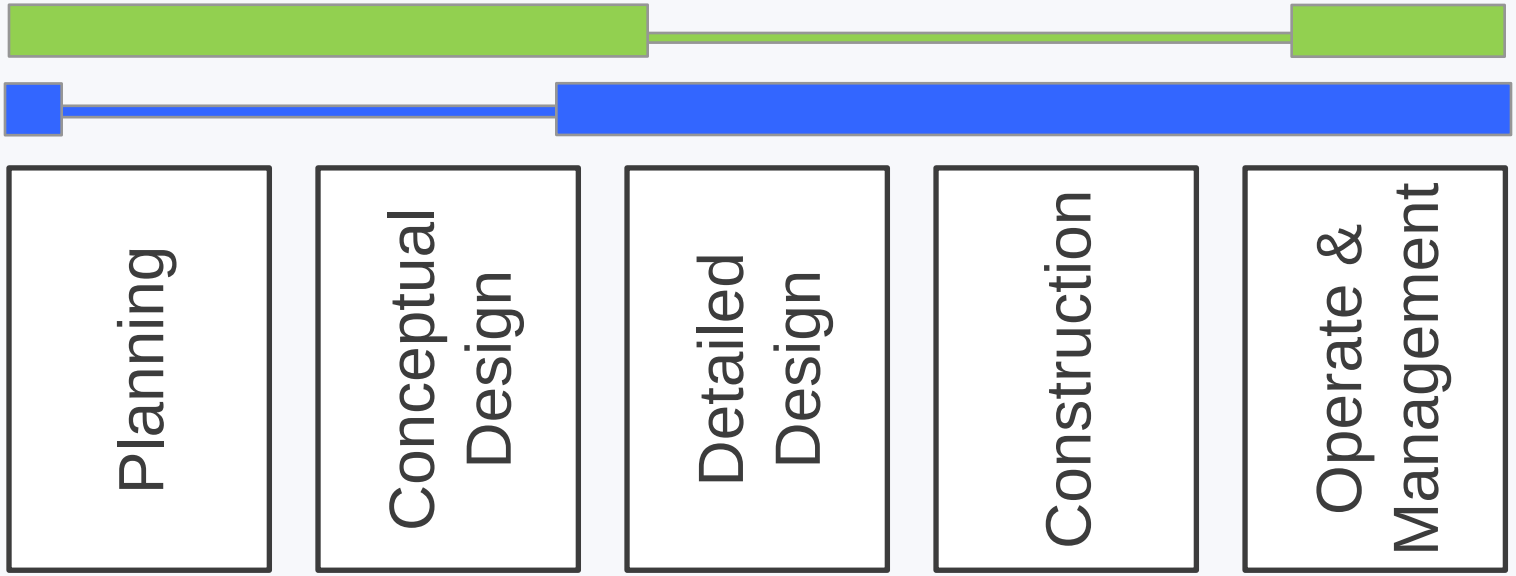
LOOKING FOR COMMONALITIES

Where are Geo and BIM on this map?



Courtesy of Bart de Lathouwer, © 2015 Open Geospatial Consortium

OGC SMART CITIES PILOT

- In collaboration with building SMART international
- Ordnance Survey as seed sponsor
- Looking for more sponsors/participants (by 15 October 2015)

- Help cities around the world benefit from modern standards for geospatial technologies
- Use diverse, interoperating spatial technologies to deliver improved quality of life, civic initiatives and resilience
- Demonstrate how geospatial data can make things smarter

From command and control to

Connect and collaborate

We'll achieve

- empowerment/engagement
- integration/interoperability
- cost savings/efficiencies
- Better/safer environment

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