

Data Centers: Hub, Global, Regional & Local

Wouter van Hulten

www.COLOresearch.com

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Wouter van Hulten



COLORESEARCH
Tracking datacentres worldwide

INSEAD

interxion™

**Imperial College
London**

SPEEDPORT NV

 **kpn**

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Company

Size m²

Min. - Max.

Year constructed

Min. - Max.

Power redundancy

n n+1 2n

Cooling redundancy

n n+1 2n

Carrier neutral

Yes No Ignore

Popular cities

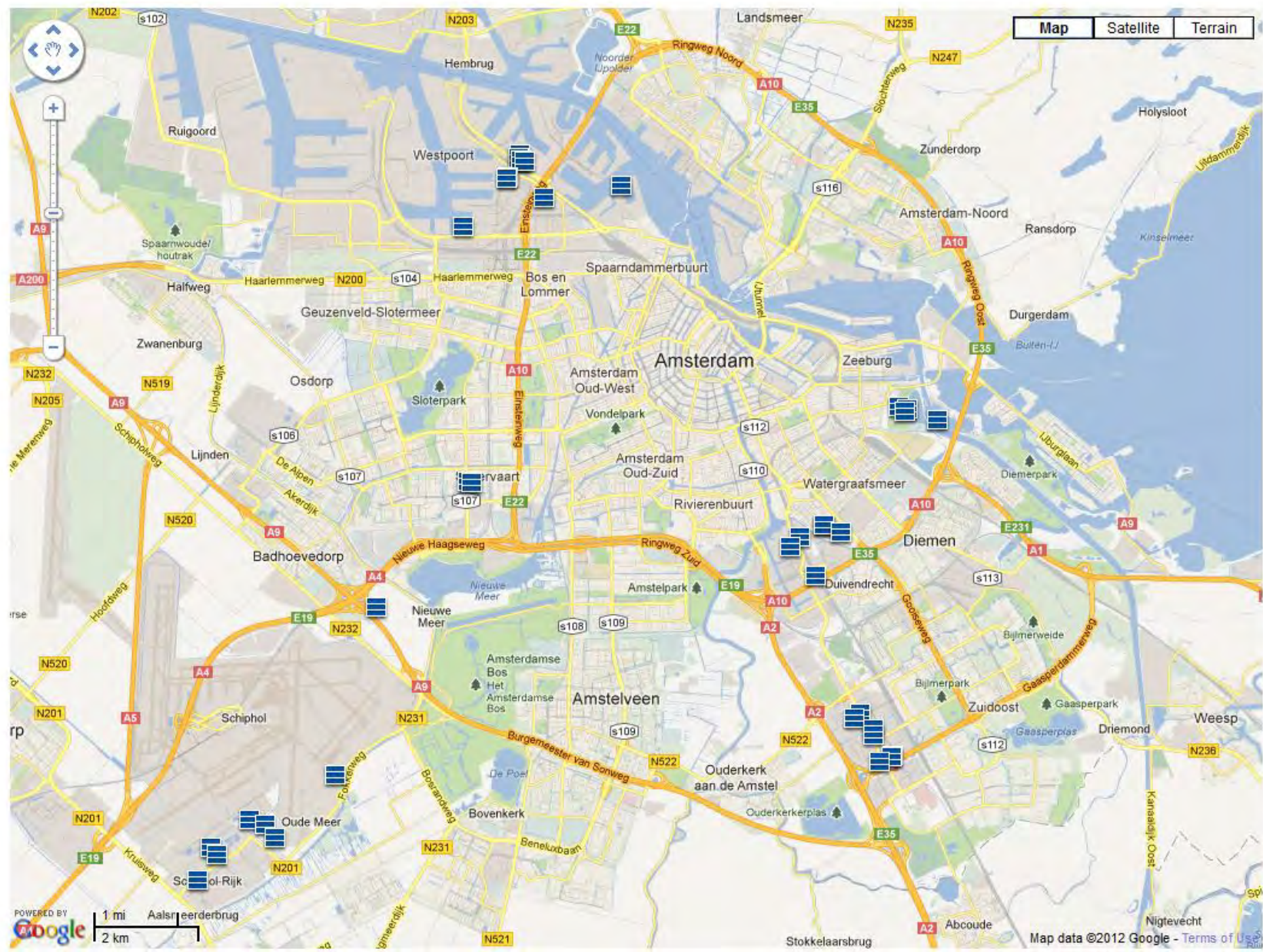
Amsterdam

Companies

All

Popular cities

- Amsterdam
- London
- Chicago
- New York
- Singapore



1. Hub




Google , New York City

Lusby Simpson of Abbott, Merkt & Co.

1932

2,900,000 ft² / 270,000 m²



Hines REIT, Los Angeles
Skidmore, Owings & Merrill
1966
664,000 ft² / m²

critigroup

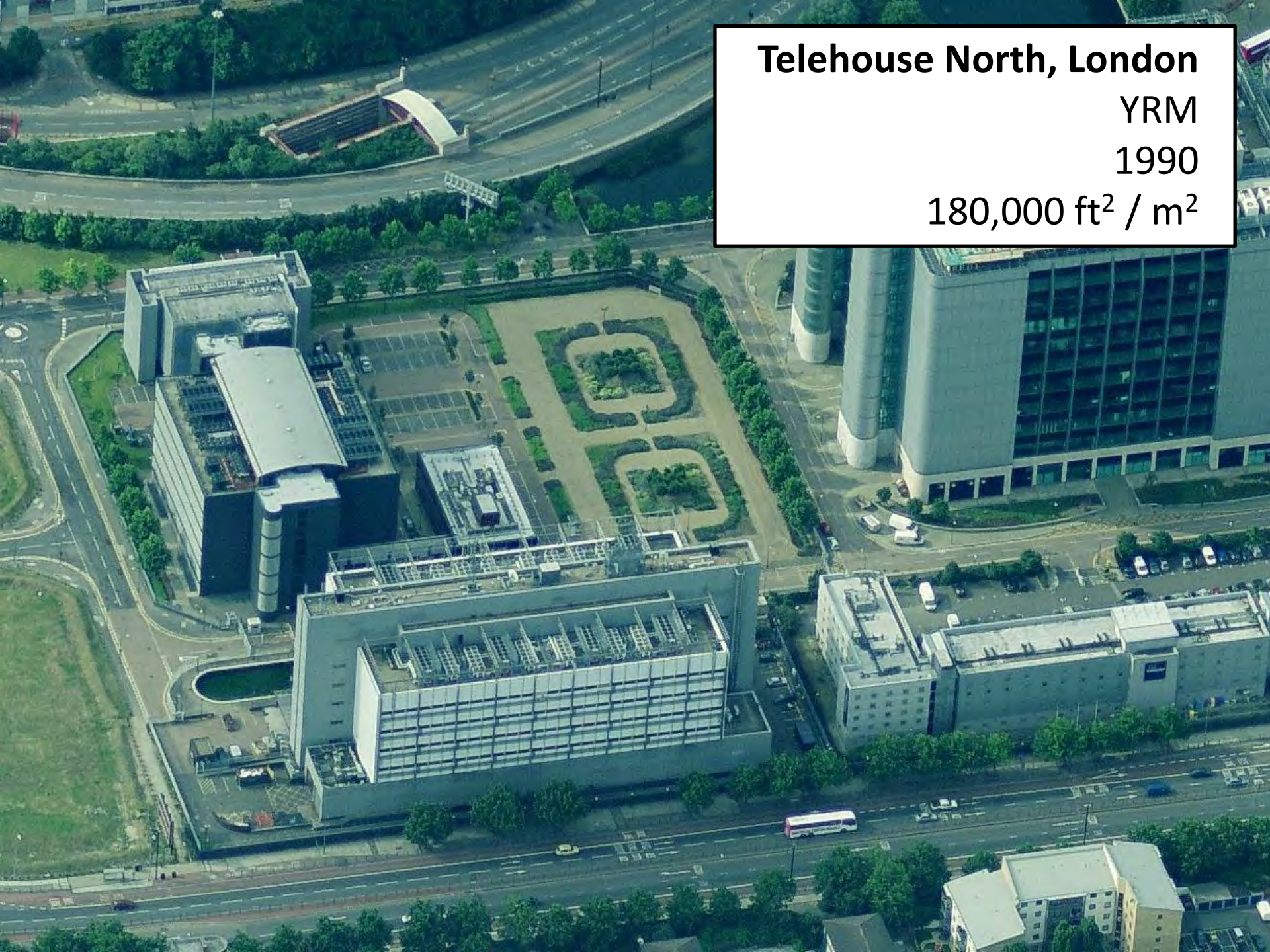
WEL
PMG

Telehouse North, London

YRM

1990

180,000 ft² / m²



Interxion LON-1, London
Old Truman Brewery
Original building / RFS 2000
86,000 ft² / 8,000 m²





Interxion FRA-1, Frankfurt

1999: 500 m²

2012: 15,000 m²







Interxion, Paris 5

RFS: 2009

43,000 ft² / 4,000 m²

16 MW

2. Global



Microsoft, Dublin

July 2009

Phase 1: 330,000 ft² / 39,657 m²

5,4 MW growing to 22MW



Yahoo, Lockport New York
September 2010



Google, Pryor Oklahoma
September 2011



Apple, Maiden NC

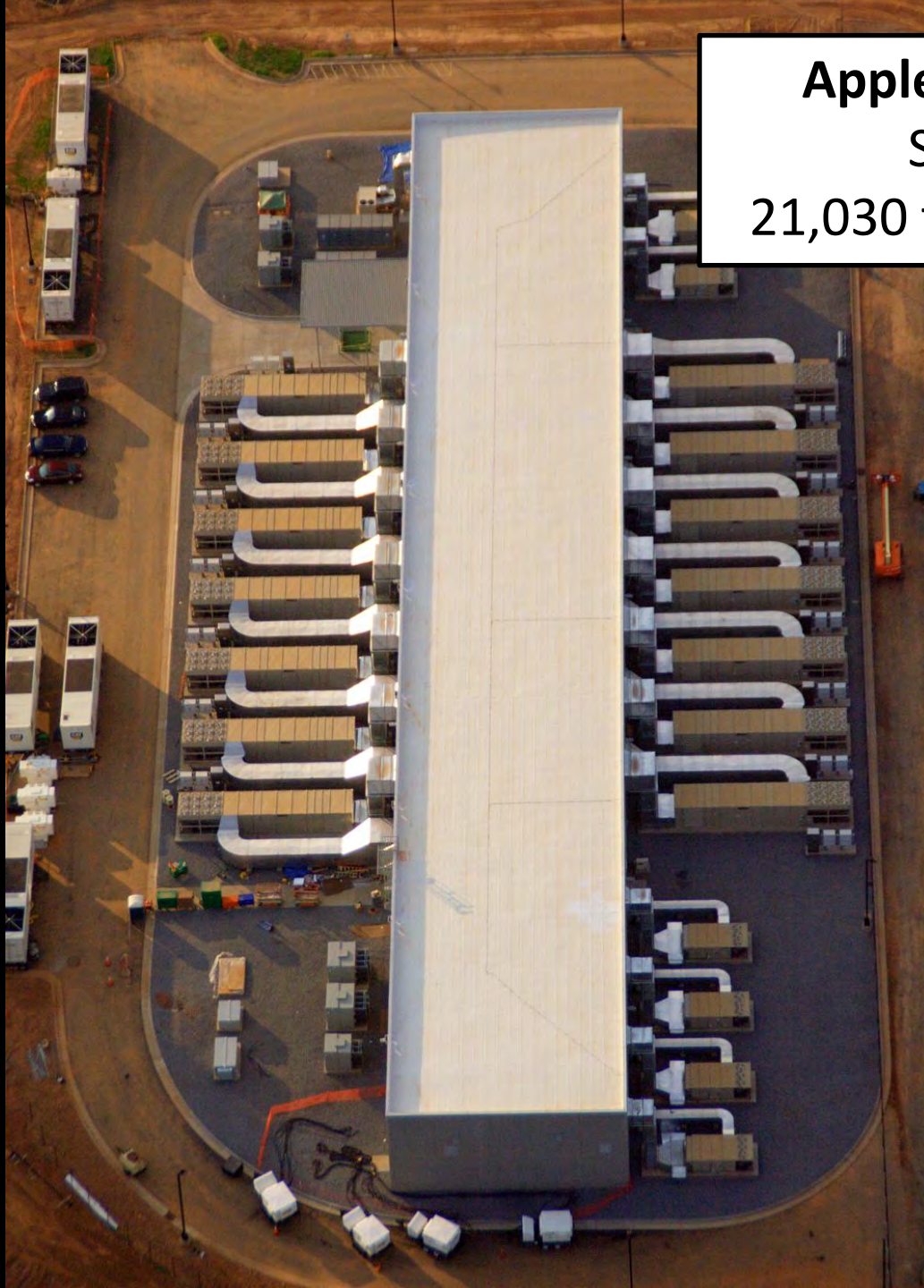
Spring 2011

Holder Construction

500,000 ft² / 46,000 m²



Apple, Maiden NC
Summer 2012
21,030 ft² / 1,955 m²





Facebook, Prineville

RFS April 2011

Phase 1: 300,000 ft² / 28,000 m²

28 MW





SW Houston Lake Rd

SW Houston Lake Rd

SW Houston Lake Rd

SW Houston Lake Rd

SW Houston Lake Rd

Proline Fabrication

Bend Tarp & Liner

Tom McCall Rd

Humane Society of the Ochocos

126

Ochoco Hwy

Bob Fox Shop

SW Ce

SW Airport Rd

126

Ochoco Hwy

High Desert Dr

SW High Desert Dr

High Desert Rd





SW Landfill Rd

Lake Rd

SW Houston Lake Rd

SW Houston Lake Rd

SW Broadwater Rd

SW Empire Dr

SW Empire Dr

SW Commerce Ct

SW Tom McCall Rd

126

SW High Desert Dr

SW Baldwin Rd

SW Cessna Dr

Prineville Airport

SW Aviation Blvd

126

ge Millican Rd

SW Baldwin Rd



Facebook, Lulea

RFS 2014

300,000 ft² / 28,000 m²

40-120 MW



Quincy, WA

Microsoft

Dell

Yahoo

INTERGATE.QUINCY

Intuit

Sabey Data Centers

Boeing

Credits: Sabey Data Centers

3. Regional



EvoSwitch, Haarlem, NL

RFS: 2007

99,000 ft² / 9,200 m²

25 MW expand to 60 MW



e-Shelter, Zurich

RFS: 2011

Klaus Rudolph, e-Shelter

75,348 ft² / 7,000 m²

30 MW

BT, Frankfurt am Main (Sossenheim)

RFS: February 2012

Fritz Ludwig Architekten BDA

Net 53,820 ft² / 5,000 m²

Net 8,7 MW



4. Local

Celeste, Champs sur Marne, France

RFS: 2011

enia architectes

Net 9,687 ft² / 900 m²





TELEPHONE
EXCHANGE

Fire exit
keep
clear

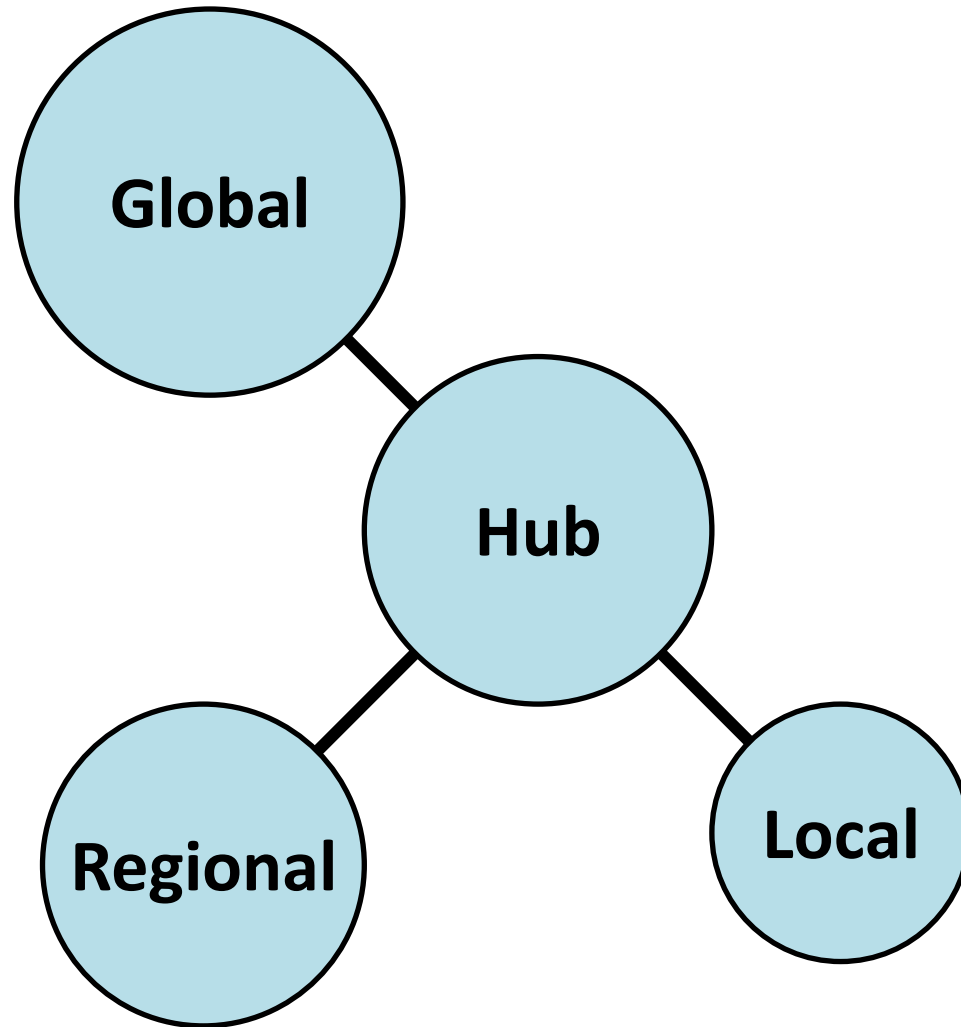


KPN, Amsterdam (IJburg)

RFS: 2000

DOK Architecten

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