



Closer, Faster

Gli Edge Data Centers,
Il Computing Continuum
Ed il Progetto Rai Way Edge



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Why Investors are Interested in Data Centers?

Strong investor appetite and a key factor for digital transformation, driven by



- Demand for Large National DC HUBs
- Digitalization of the world
- Demand for Cloud Services
- Streaming



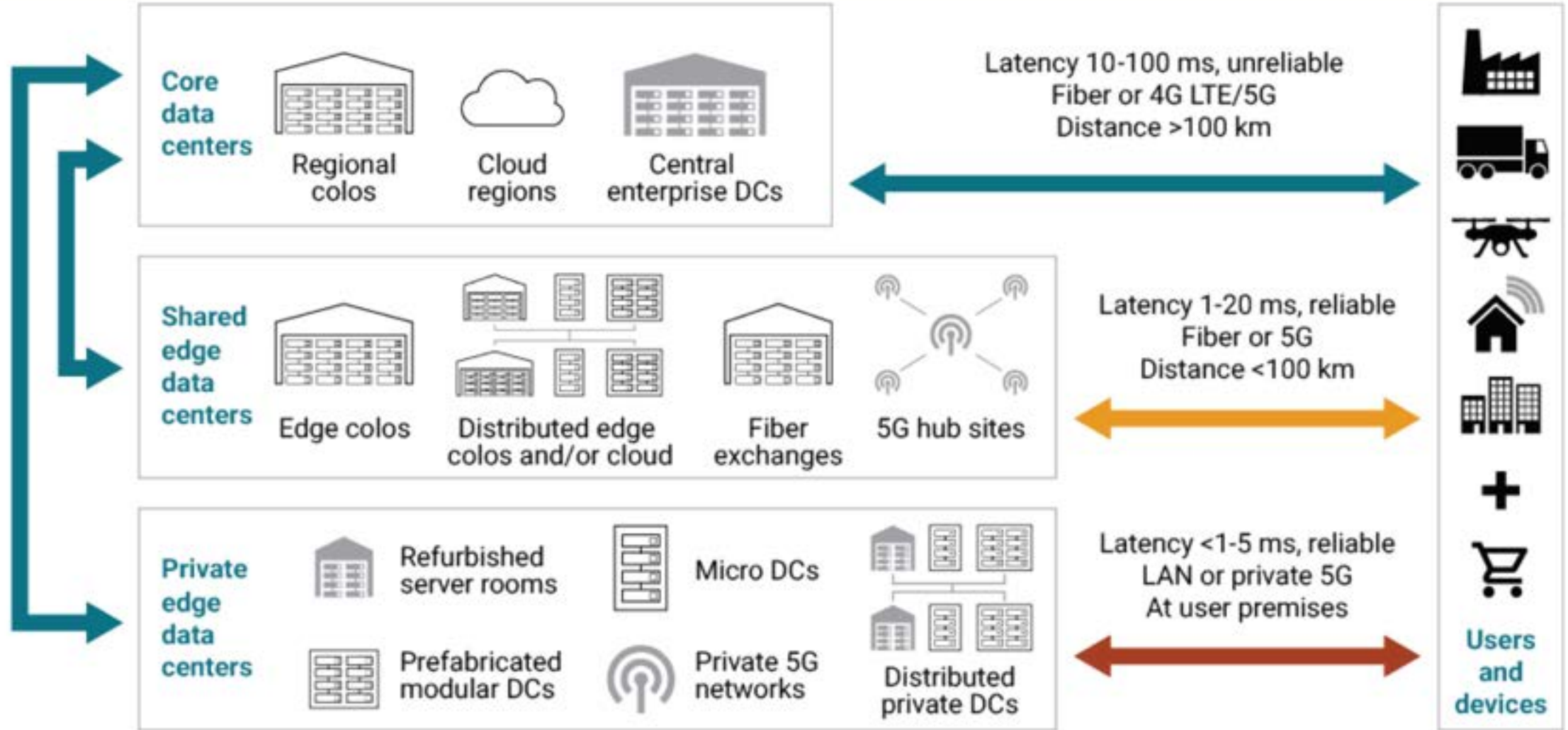
- Demand for Edge Data Centers
- New Technologies
- AI/IOT/5G
- Proximity Services
- Edge Computing



TECHNOLOGIES

- Regional Colocation
- Cloud Gaming
- Content
- Multi Cloud
- Hybrid Cloud (Private+Public)





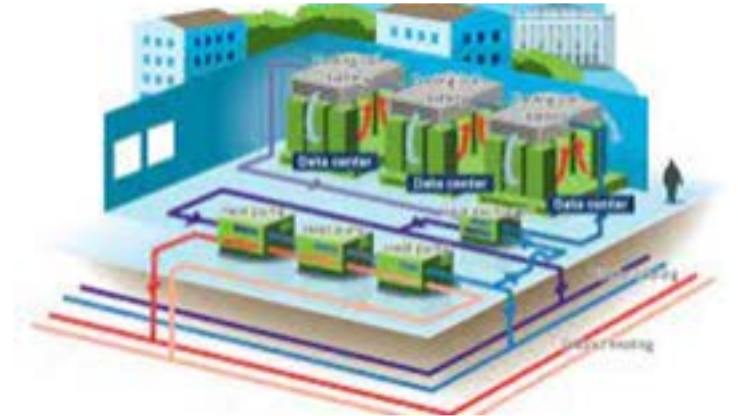
DC Sustainability: From Net Zero to Net Positive

Energy Demand Reduction

- Heat Re-Use
- Move Large Storage/HPC North

New Technologies

- Solar – Wind
- Hydrogen – Fuel Cells
- Eff. AI Cooling/Lighting/Vent/Airco
- Immersion Server Cooling
- Water Waste - E Waste
- Modern Sleep Fast Chipsets/SSDs
- GPUs and TPUs instead of CPUs
- Recycled Materials
- Carbon Offsetting
- Global Reporting Initiatives



EDGE APPS



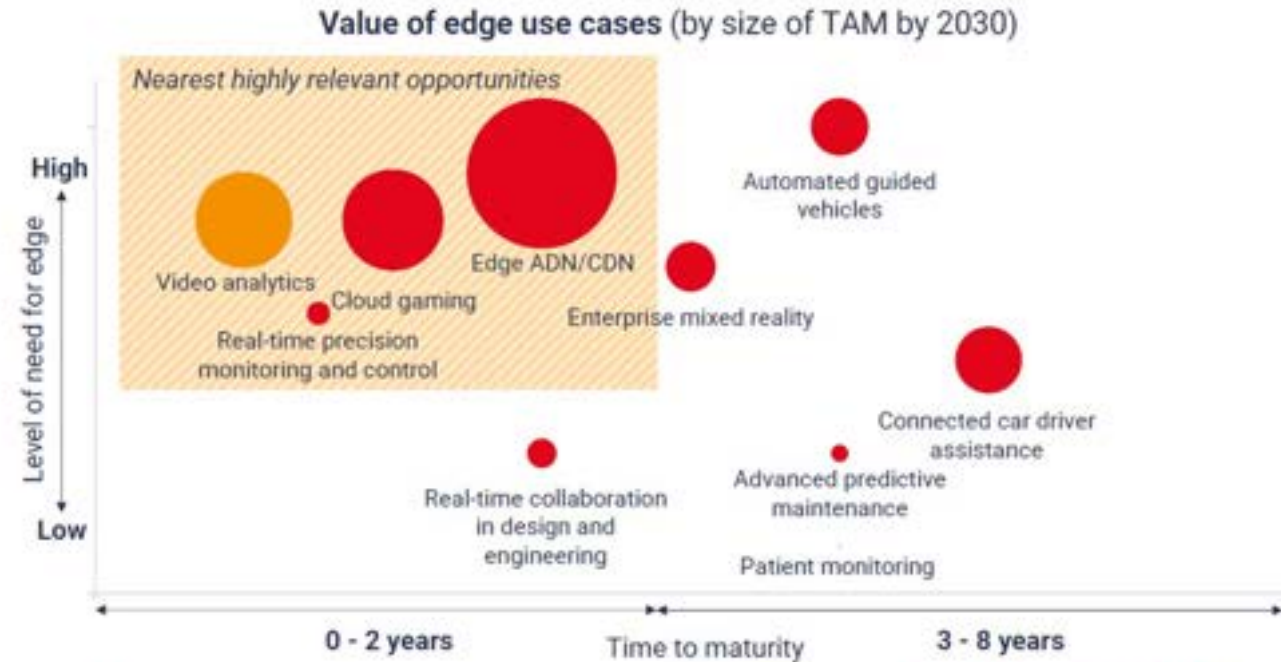
Source: STL Partners

Applications @ the EDGE

Value of edge cases
(By size of TAM by 2030)

- Low latency/Real Time
- Ultra Broadband
- Computing/CPUs/GPUs/TPUs

Edge-enabled video analytics is a significant near term opportunity for CSPs with a strong need for edge capabilities

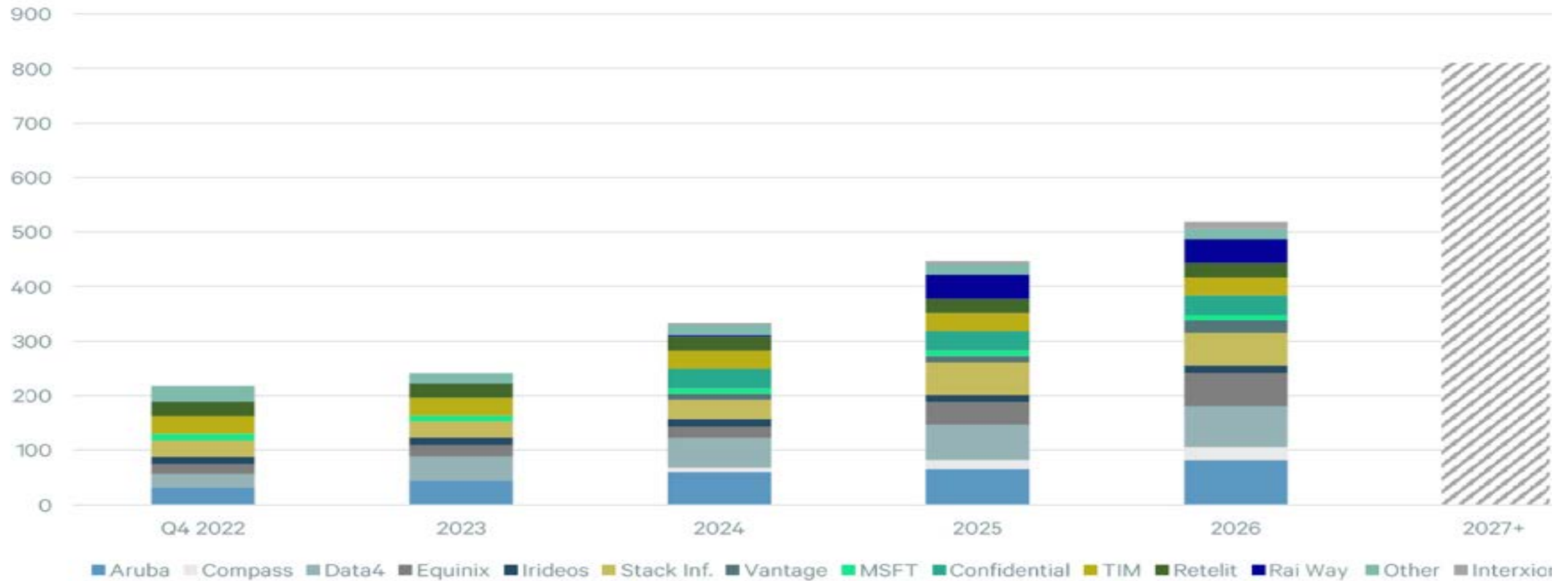


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Source: STL Partners, [Edge computing market sizing forecast, 2022](#)

Hyperscale Data Center Market -Italy

Main current premises and development pipeline in Italy divided by operator



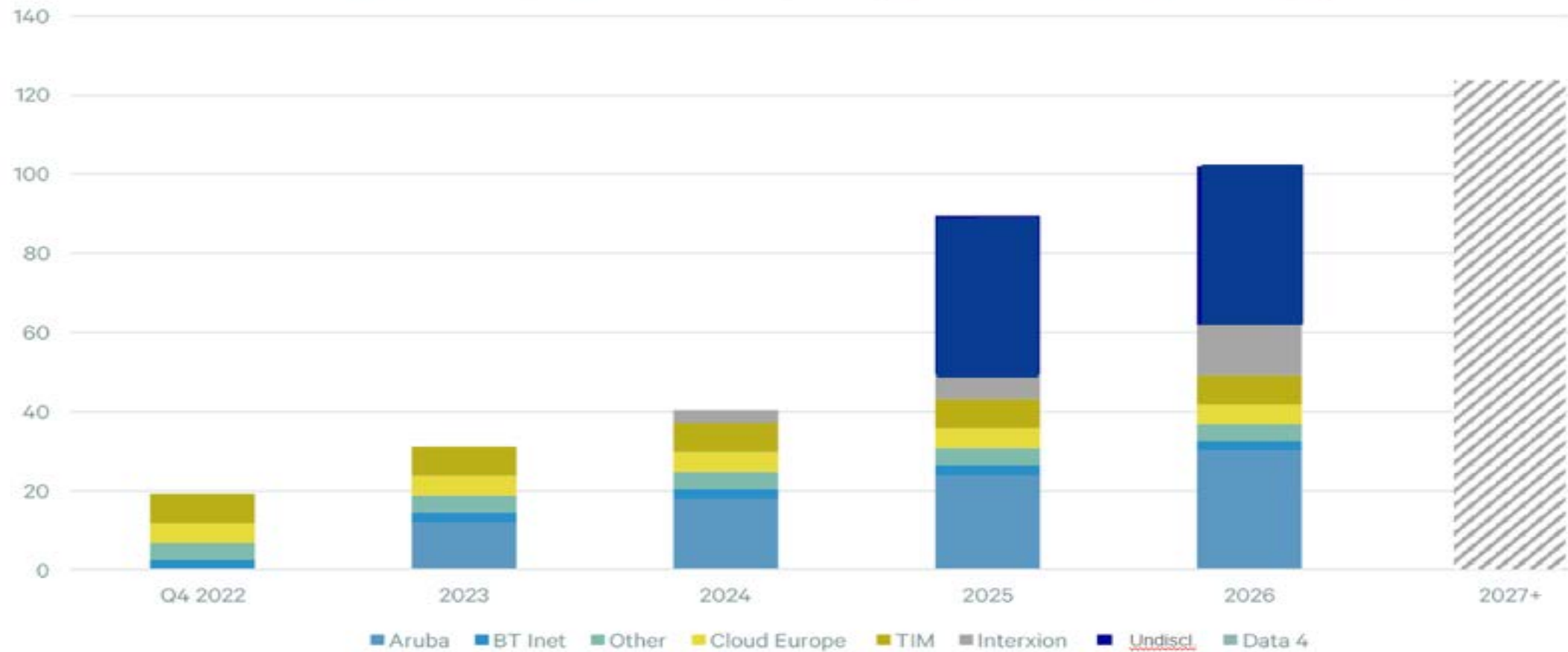
* The cluster "other" includes all the premises/operators with total power installed >10 MW.

**Please note that the chart shows IT load power for the operators already present while for future developments on which specific data have not been disclosed, a PUE of 1.4 has been assumed to reach the represented figures.

Source: CBRE

Data Center Market -Rome

Main current premises and development pipeline in Rome area divided by operator



* The cluster "other" includes all the premises/operators with total power installed >3 MW.

**Please note that the chart shows IT load power for the operators already present while for future developments on which specific data have not been disclosed, a PUE of 1.4 has been assumed to reach the represented figures.

Source: CBRE

Computing Continuum: Network of distributed and interconnected Co-location Data Centers



Colocation Data Centers distributed throughout Italy, divided between:

- National Hyperscale Colocation Data Center, in Rome, to ensure scalability and customization (40 MW)
- Network of 18 Regional Colocation DCs, to have presence in main Italian city
- Edge DCs, to meet the needs of proximity and low latency
- EDGE CDN



Proprietary, high-quality, carrier neutral and interconnected national backbone



Proprietary Distribution



A proprietary infrastructure widely distributed throughout Italy



Guaranteed high quality, low latency times and high reliability



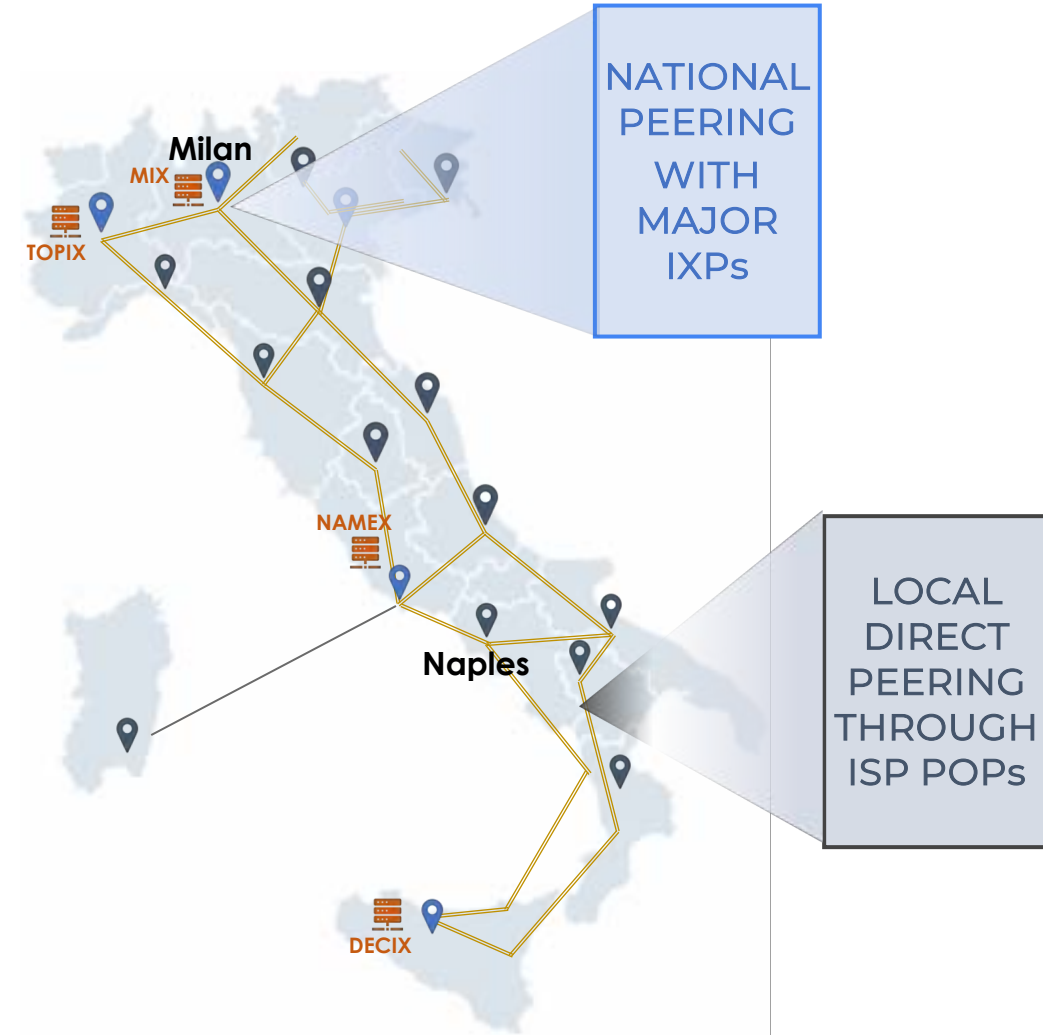
Carrier neutrality guaranteed by private and public peering with most of the main Italian ISPs



National And Local Direct Private and Public Peering with ISPs and Mobile providers



Both NOC and Customer Care dedicated in Italy



RAI WAY WILL PROVIDE PURE COLOCATION SERVICES

CORE SERVICES



Housing

- Shelf / Rack / Cage / Data Hall / Multiple Data Hall
- Proprietary fiber backbone and internal private network
- Connectivity: Dark Fiber and/or Lit Fiber
- Connection vs main ISPs / IXPs

ADDITIONAL SERVICES



Smart Hands support

- Configurations
- Troubleshooting
- Hardware Management



BareMetal

- Hardware rent and housing (e.g., Server, ...)

Rai Way Edge Difference

Italian

Data Sovereignty

Computing Continuum

Distributed/Analytics-Real Time-Low Latencies

Centralized/Statistics-HPC-Storage

Carrier Neutrality

Edge CDN

Sustainability





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Thank you.



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