CU Coding Unissoft

WiFi Backhaul via 5G nEdge for Smart City Applications

5G nEdge: Your Smart City Enabler

Our Founders

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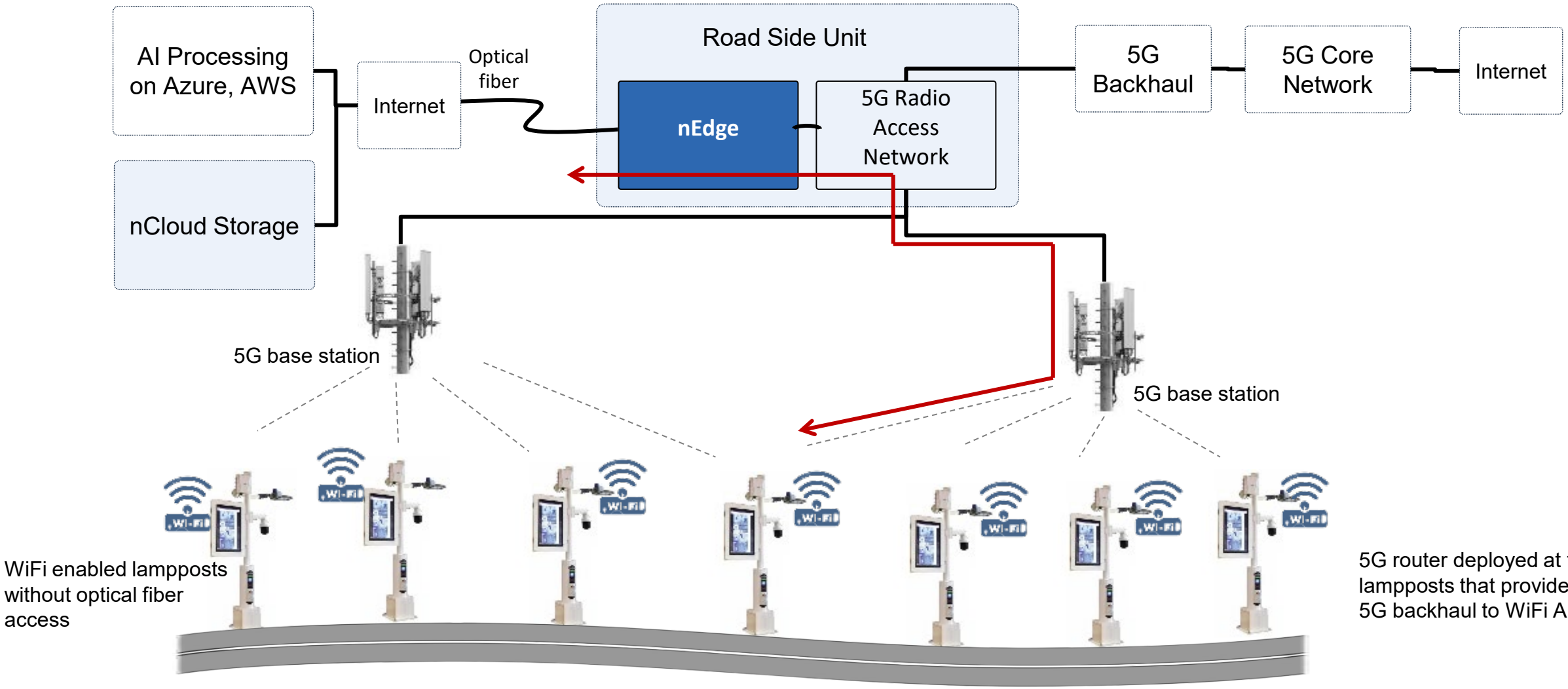
How Gartner Described CU Coding/Unissoft ...

"CU Coding/Unissoft is a ***notable player*** in the arising ***Intelligent Infrastructure market***. Her data repair capability is really impressive. A focus on the intelligent infrastructure automation is the differentiator."

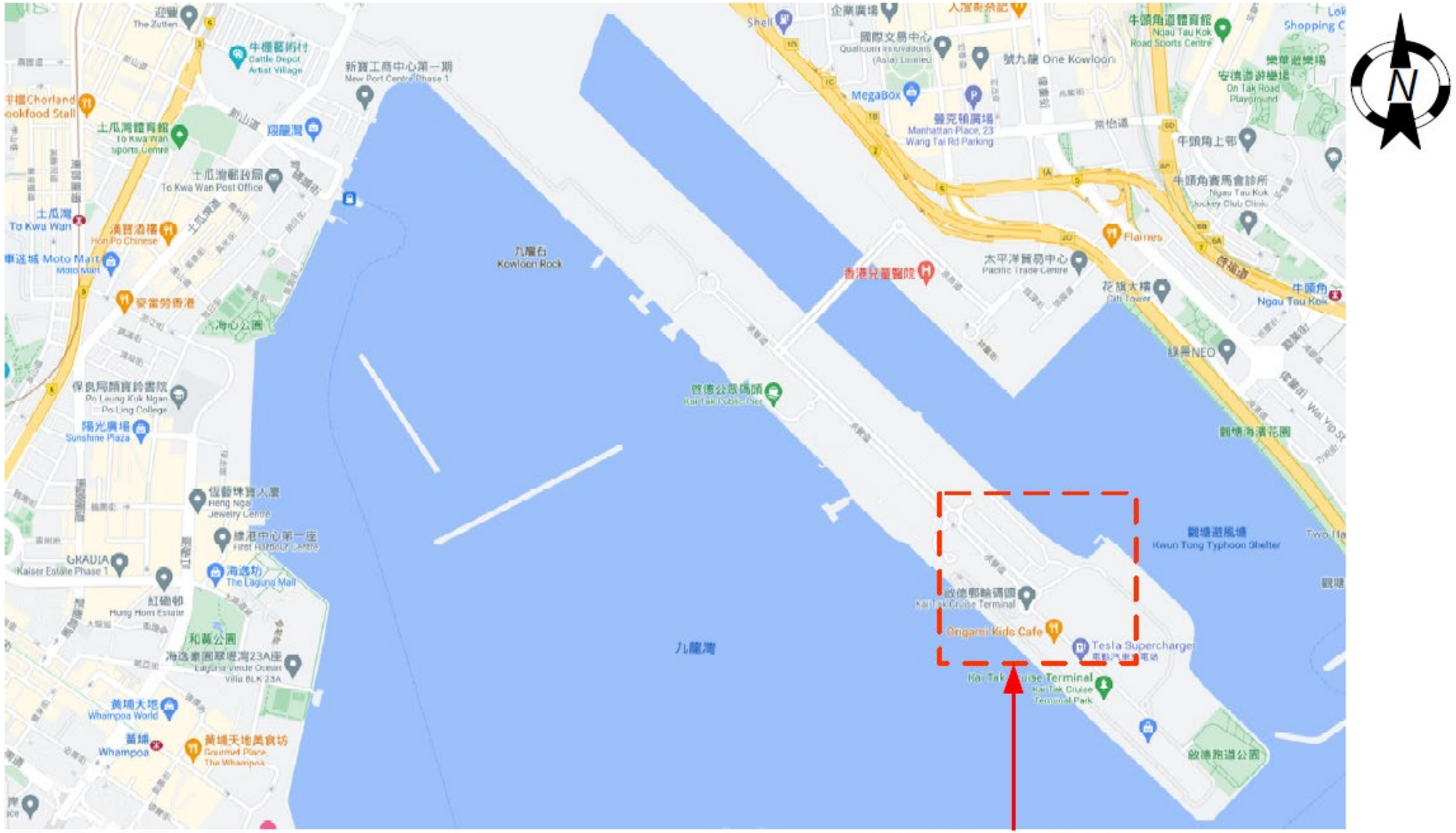
Philip Dawson, **VP Analyst at Gartner**

Gartner®

WiFi Backhaul Via 5G for the last $X * 100$ meters



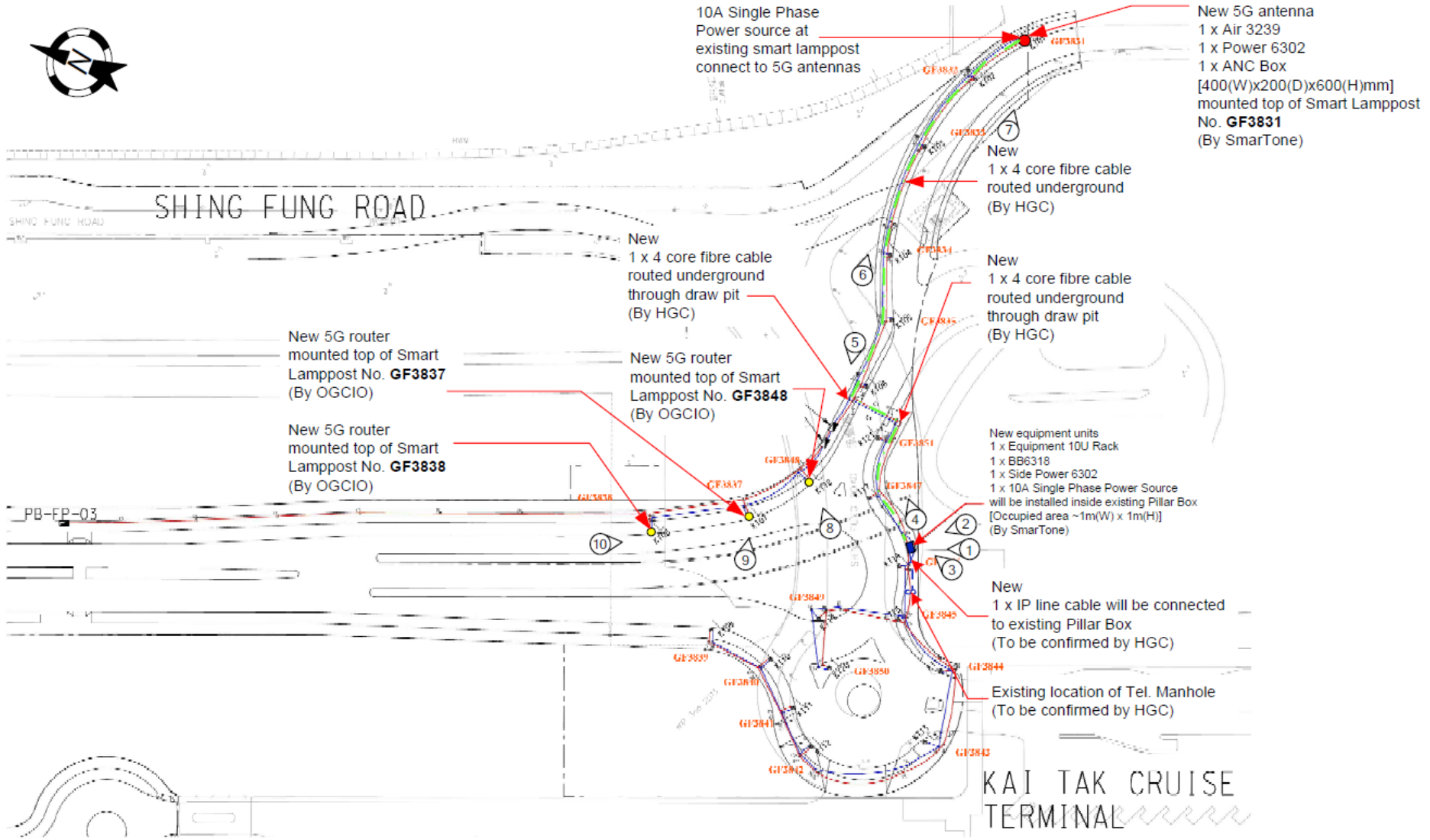
WiFi Backhaul for Smart Lampposts at Kai Tak



Location Plan

PROPOSED SITE LOCATION

WiFi Backhaul for Smart Lampposts at Kai Tak



WiFi Backhaul for Smart Lampposts at Kai Tak

PHOTO 1:

PHOTO 2:

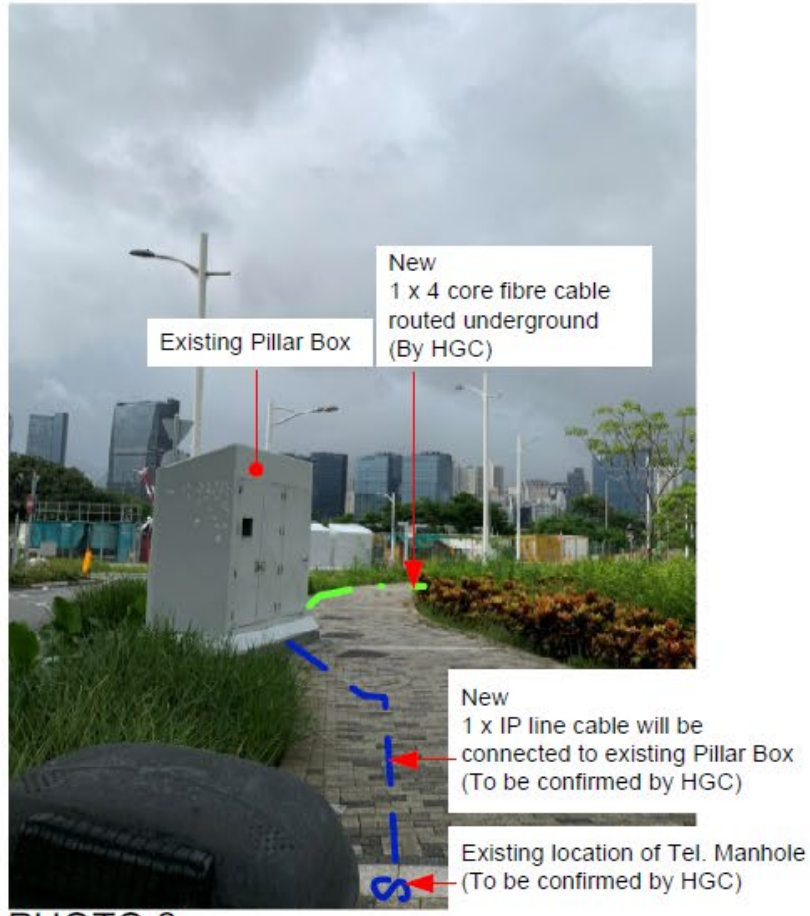
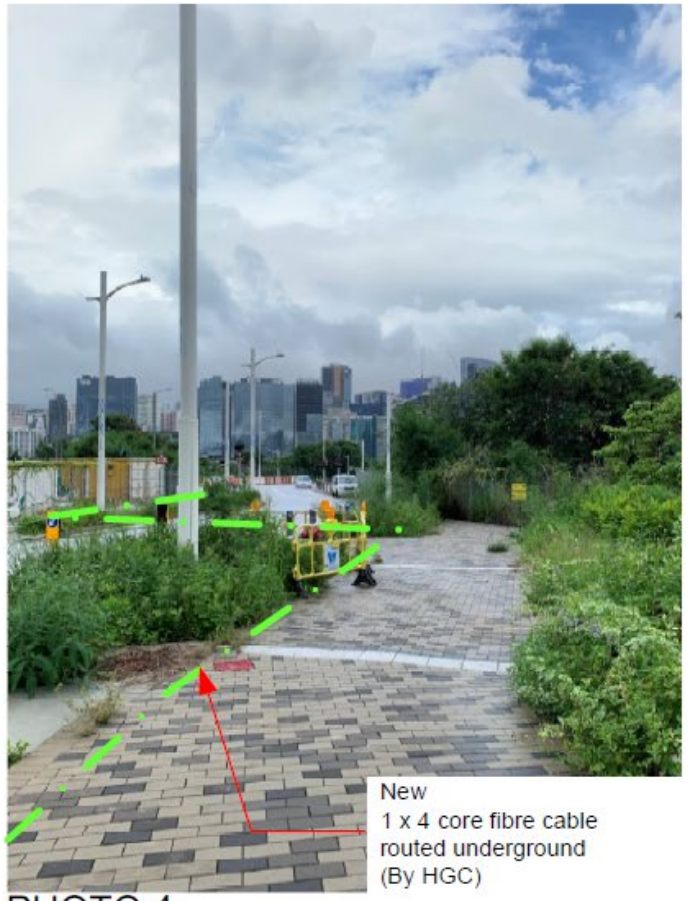


PHOTO 3:

WiFi Backhaul for Smart Lampposts at Kai Tak



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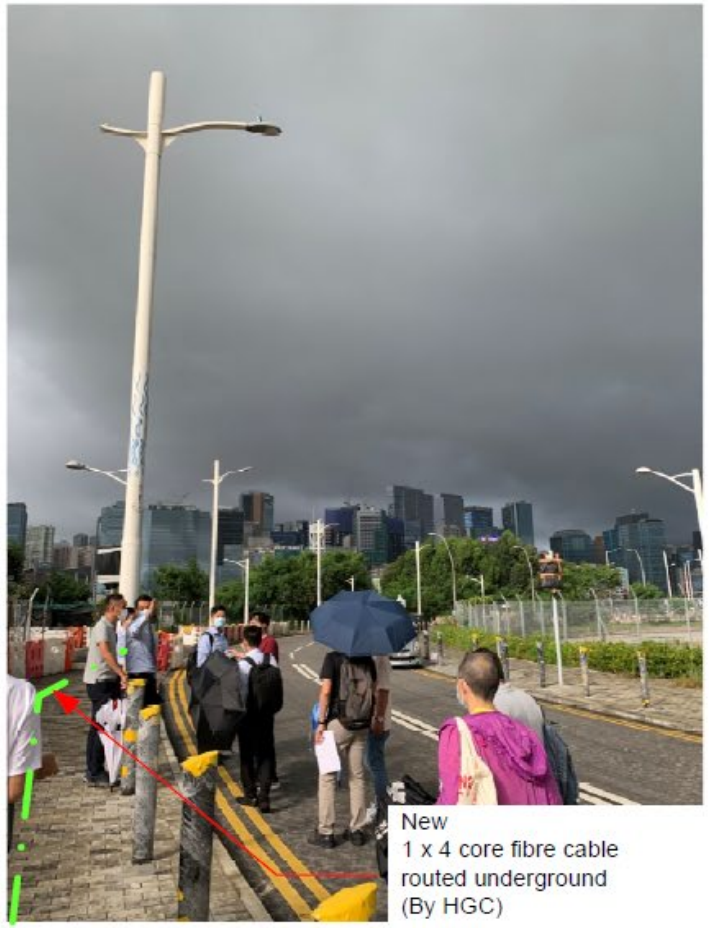
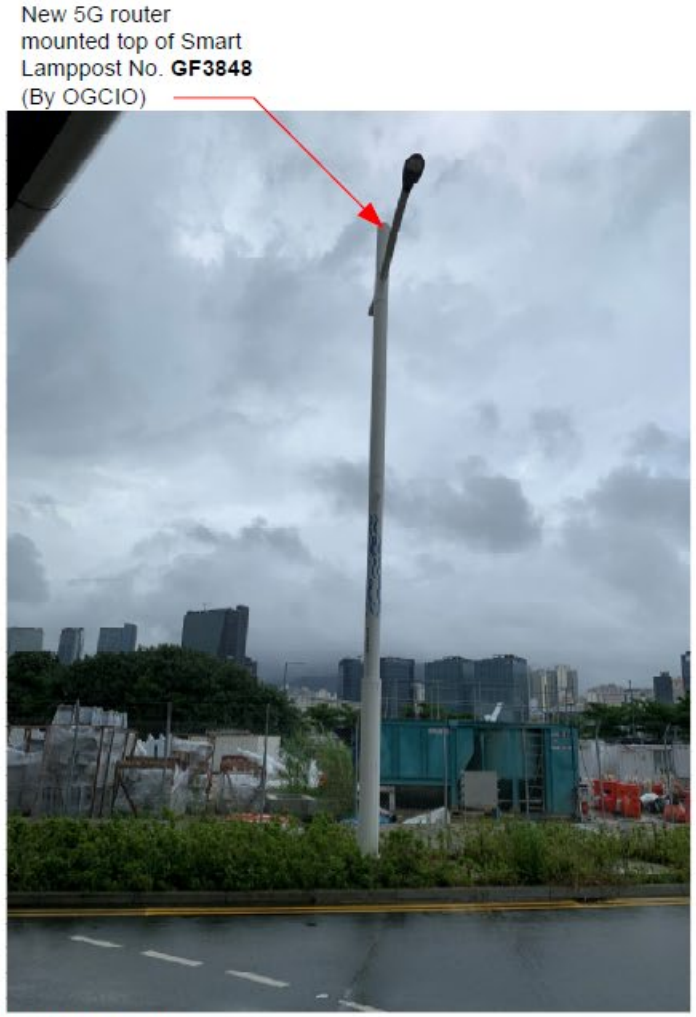


PHOTO 6:

WiFi Backhaul for Smart Lampposts at Kai Tak

PHOTO 7:



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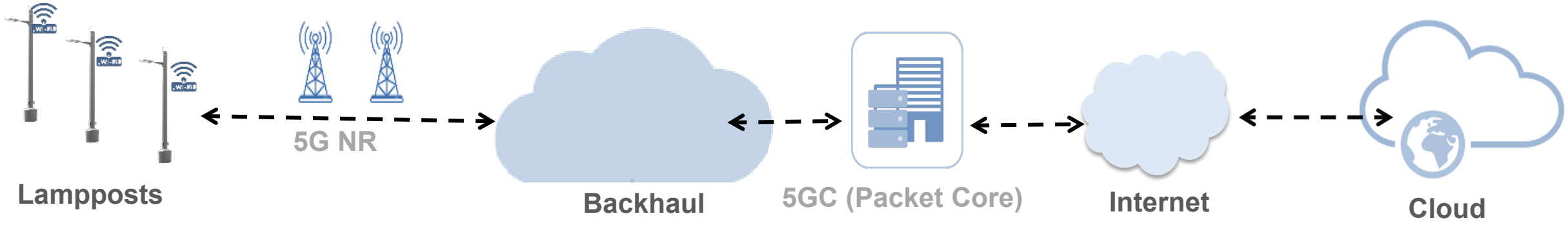
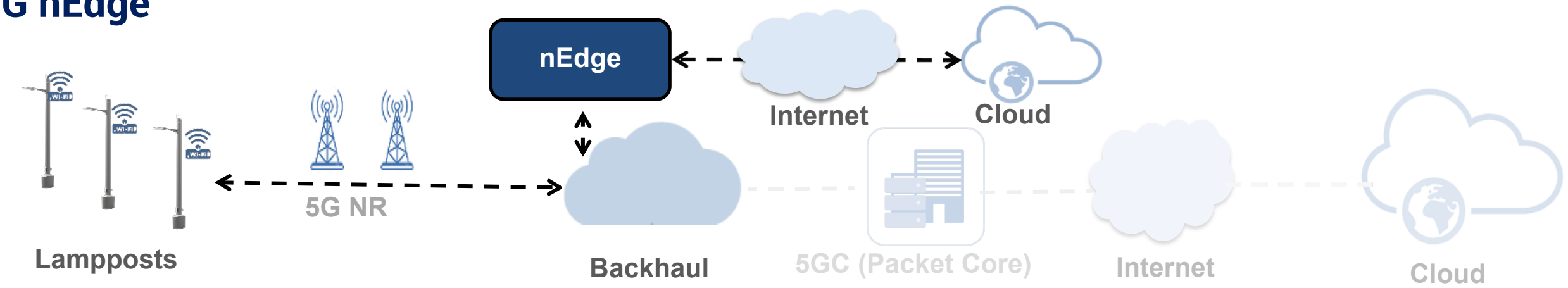
5G vs 5G nEdge Application Flow

5G



5G nEdge



5G for the last $X * 100$ meters

Use Cases

- Public WiFi hotspots can be created
- Various sensors can be connected for air quality monitoring, weather sensing, etc.
- Wireless CCTVs can be connected

Low Latency

Since about 75% of processing can be done on nEdge, the end-to-end latency is reduced to 10ms from 100ms.

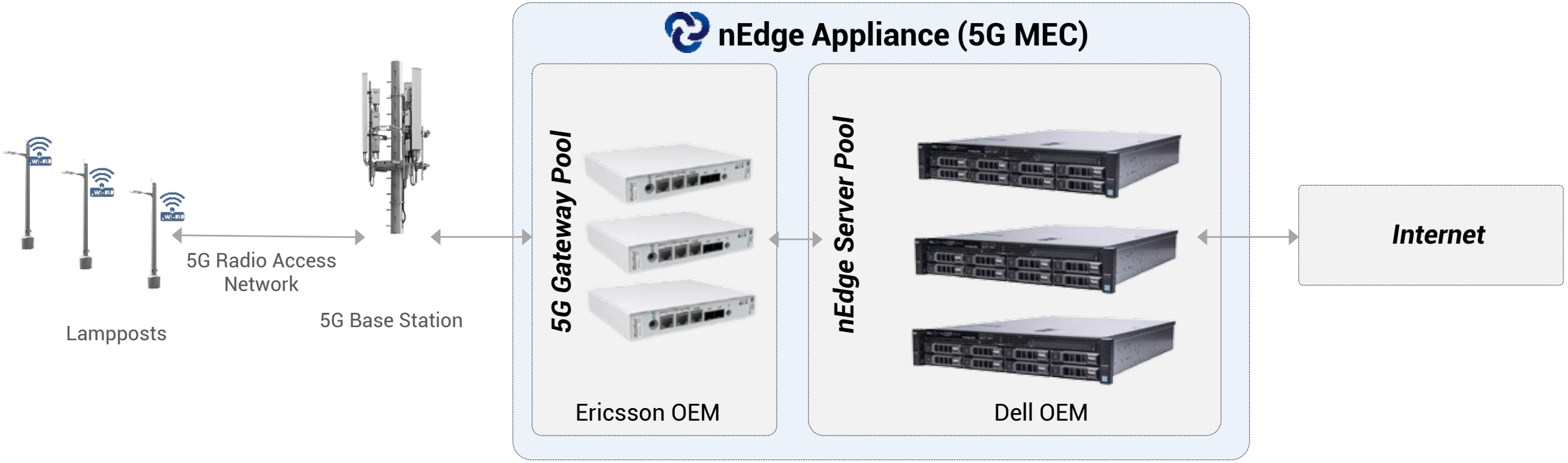
Enables Wireless Connectivity

Instead of using end-to-end 5G, only the last 300-500 meters of 5G infrastructure is leveraged to provide internet connectivity to lampposts with no fiber access.

Low Cost

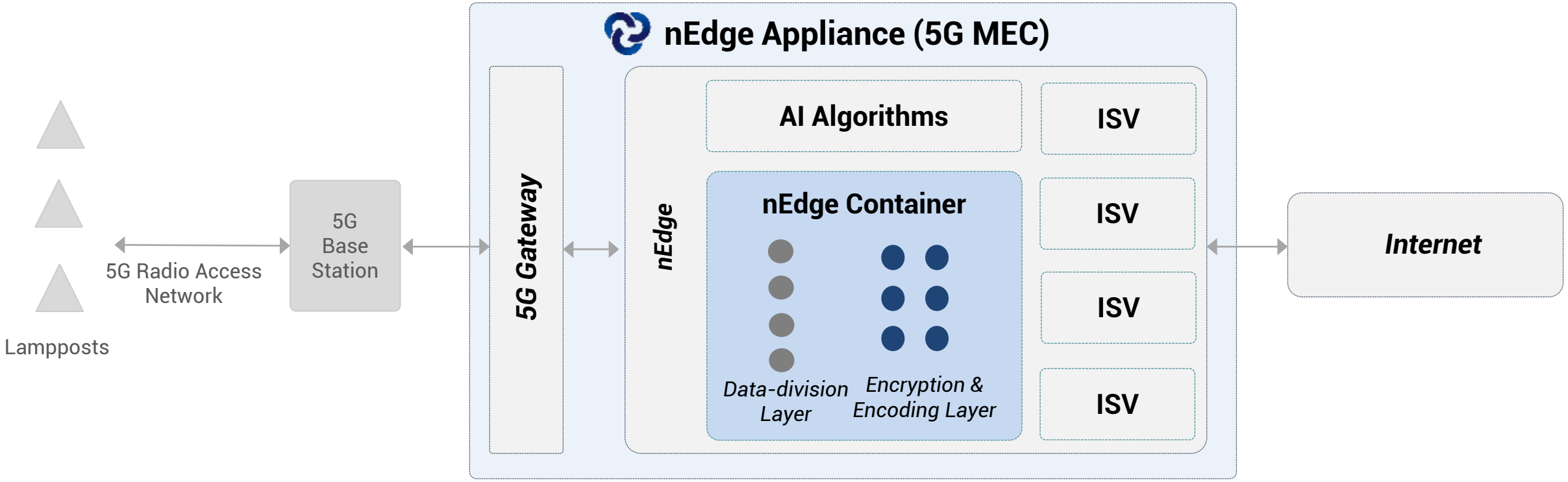
Since 5G is used for the last 300-500 meters only, the data cost per GB is low.

nEdge Architecture in 5G



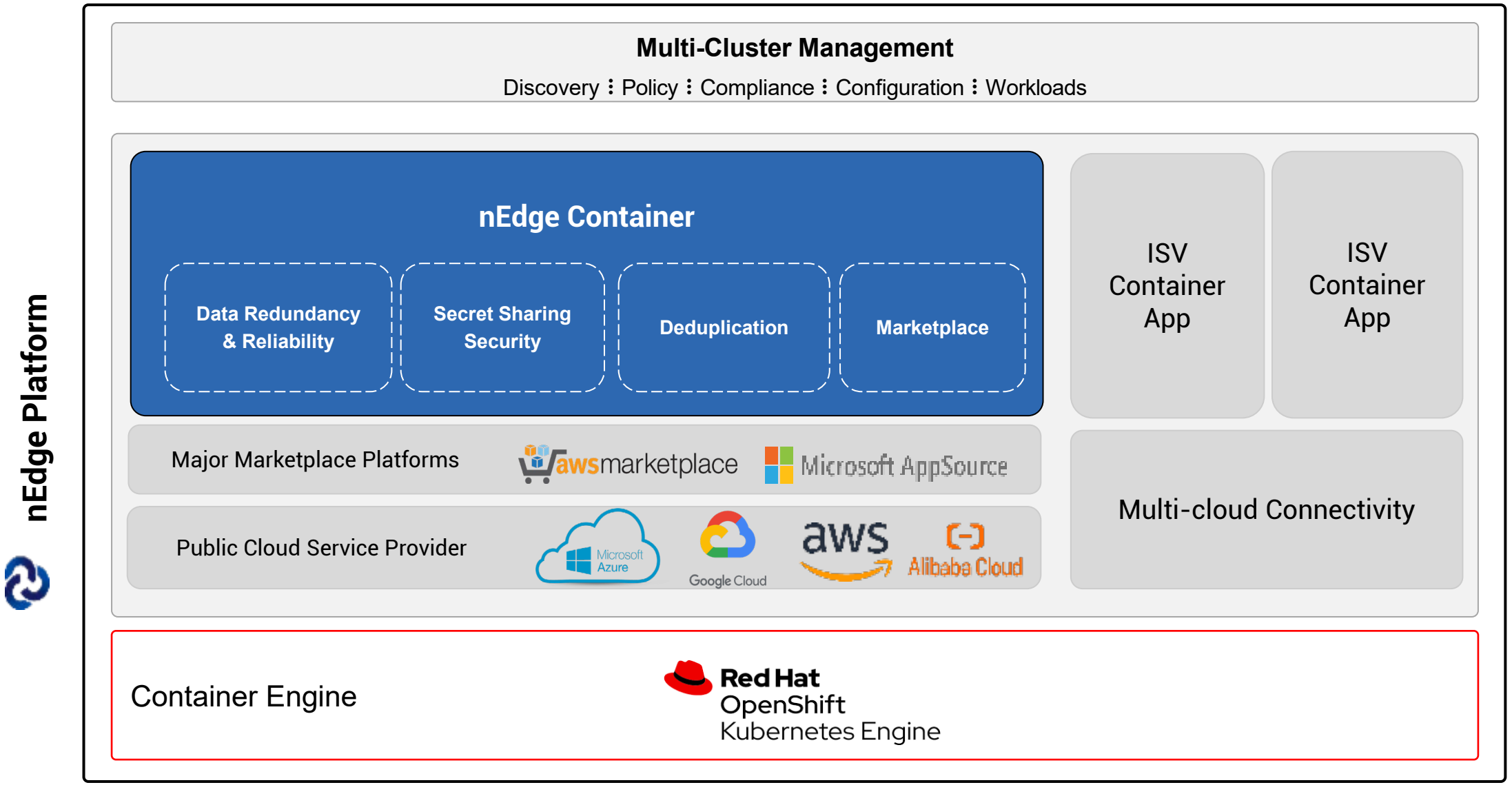
One-stop hybrid edge-cloud integration platform, supporting multiple applications with open architecture, enhanced security and data reliability through network coding while providing convergence between IT and mobile technology

nEdge Architecture in 5G

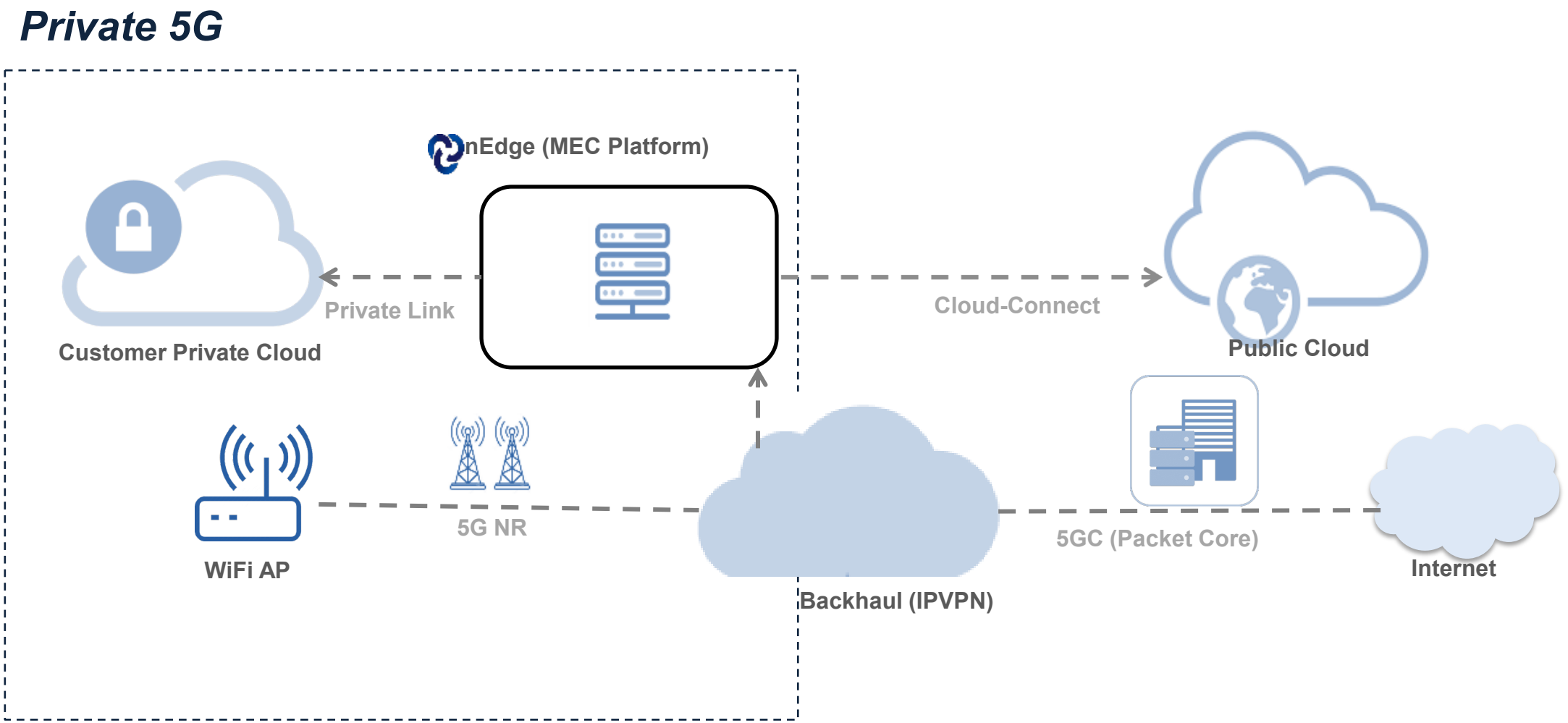


One-stop hybrid edge-cloud integration platform, supporting multiple applications with open architecture, enhanced security and data reliability through network coding while providing convergence between IT and mobile technology

nEdge-nCloud Integration with Red Hat Solutions



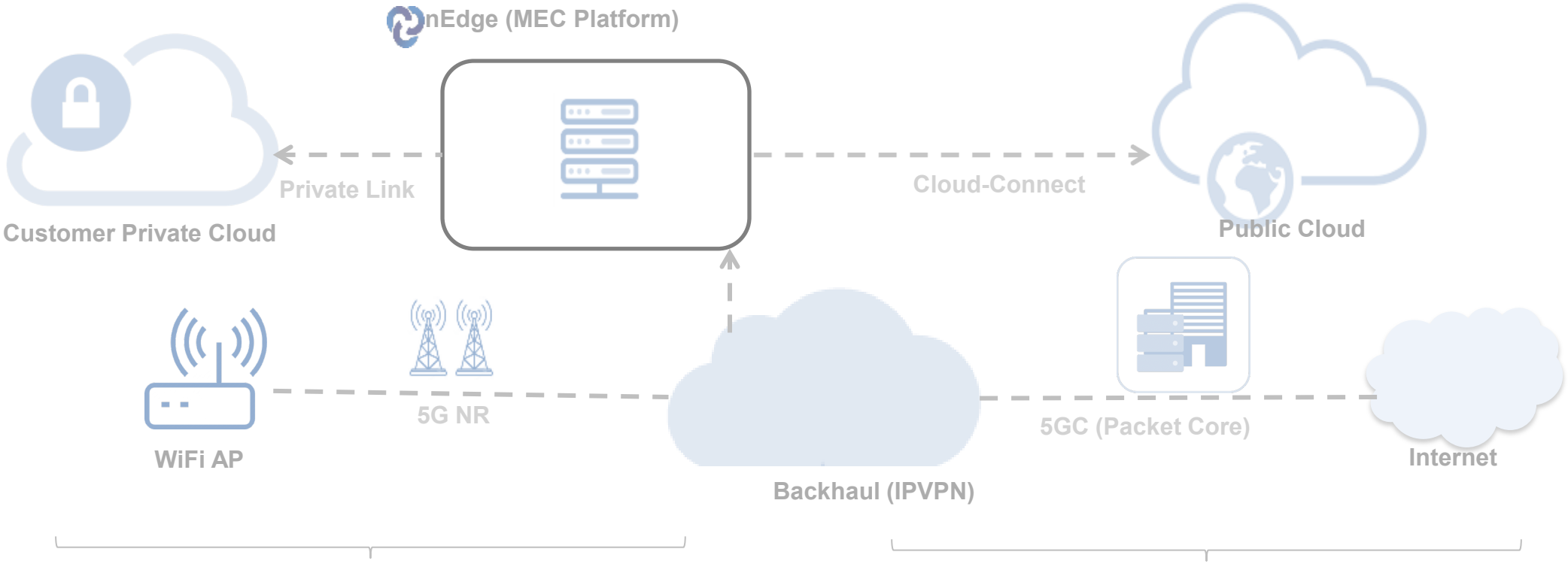
nEdge MEC Application Flow | Benefits



nEdge MEC Application Flow | Benefits

Streamlined architecture

Virtualized edge computing design enhances network communication and IT computing capability



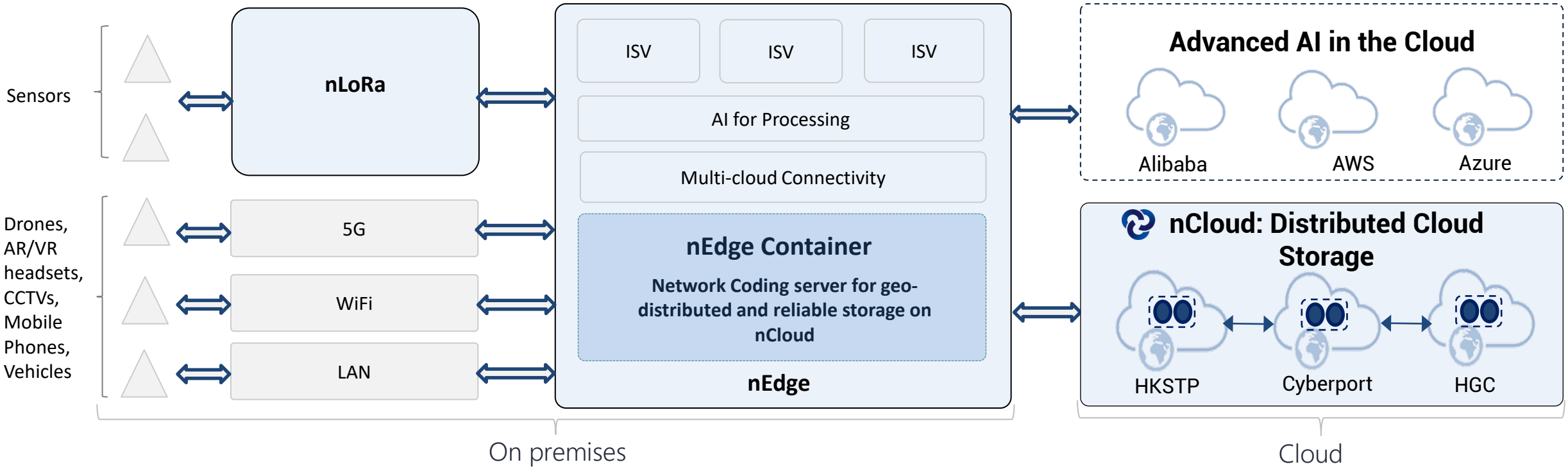
Application need

Low latency, high bandwidth, security and localized service needs

Lower costs

Reducing traffic flow via EPC and Internet Transit

nEdge-nCloud: A Futureproof Multiaccess Technology for Managing Computation, Communication and Storage



nEdge-nCloud pair leverages multi access technologies to provide computation, communication and distributed cloud storage solution

Computing on accumulated data (on-premises as well as in the cloud)	Storage on nCloud. Network coding is performed at nEdge and network-coded data is stored in nCloud.	Local breakout for internet-bound traffic

Contact Us

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