

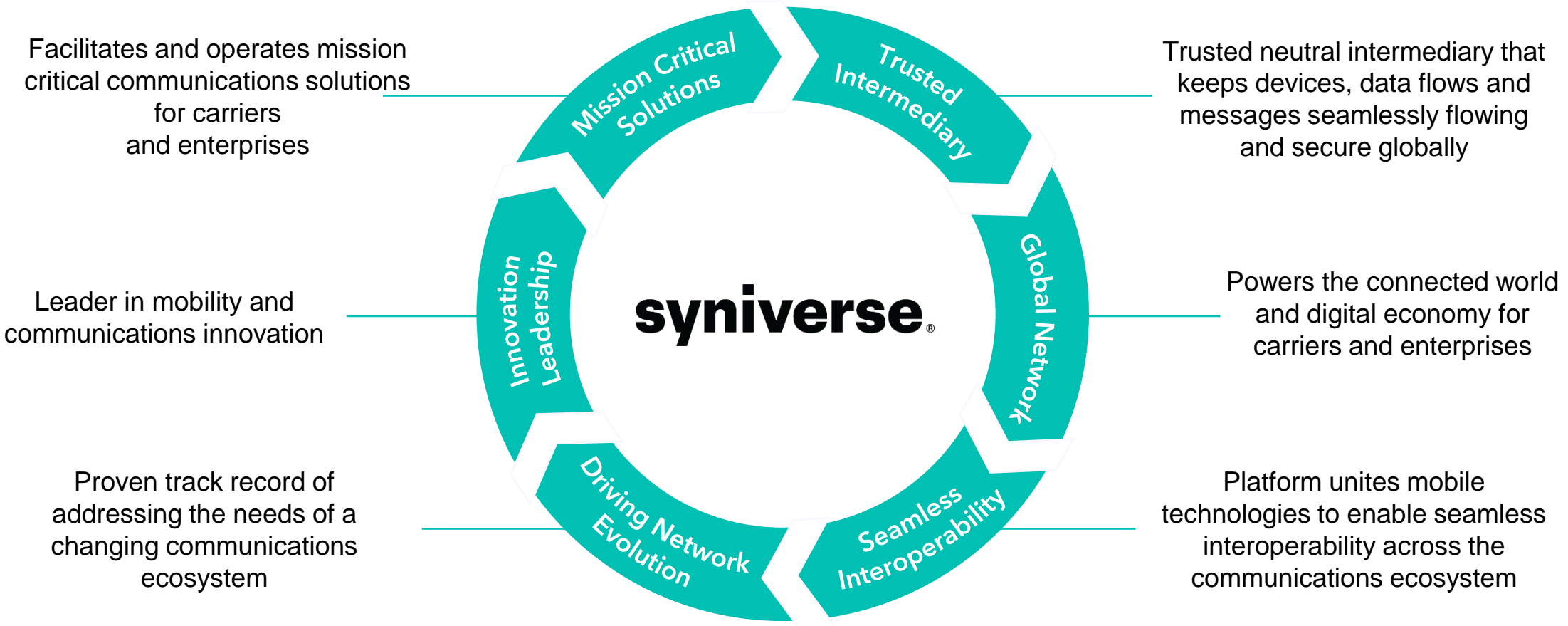
Enabling Roaming with Private Networks

UPTIME 2023

syniverse[®]



Powering the World of Connected Communications



Global
private IPX network
backbone

8 billion
mobile devices
connected

Interconnecting almost **500**
communications providers;
serving the **Top 10**

1 trillion+
messages delivered
annually

2.2 trillion+
billable transactions
annually

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Pioneering Innovations that Take Businesses Further

When you connect to the world, the opportunities are infinite.



Global Network

As the world's most connected company, we're charting the unknown territory of digital transformation. Our global network securely connects you to billions of people and devices, protecting your critical assets—and creating a channel for you to harness the potential of emerging technologies.

Connectivity and Mobility
Policy Management
Analytics and Intelligence



Messaging Solutions

Your customers are harder to reach—and their expectations are higher—than ever. That's why we've developed intelligent engagement solutions can help you reach just about anyone, at any time. And why we drive the insights and intelligence to let you do it right. We're using the power of connectivity to reimagine what's possible for your business.

Messaging for Communications Providers
Interactive Messaging and Engagement



Outsourced Carrier Solutions

Every day, we power billions of transactions, expanding the possibilities for how goods and services are exchanged. We're continually improving how the world exchanges information, money and more. And it's why we're helping you build smarter, more secure foundations for your businesses, setting them up to be platforms—not just products.

Clearing and Settlement
Fraud Management
Number Portability

Supporting the movement of devices between private and public networks has accelerated

Supporting a device as it traverses between two disparate wireless networks

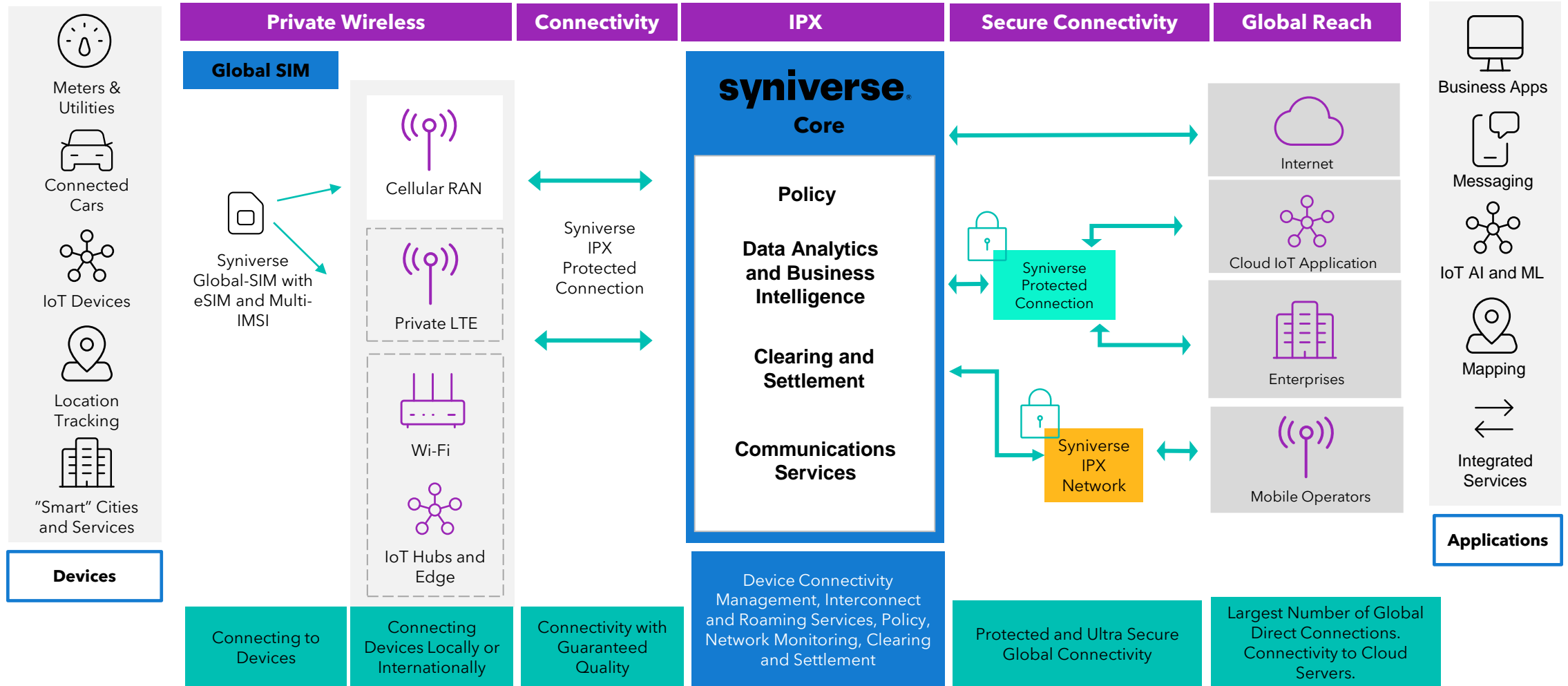
■ Challenges

- Ability for mobile devices to seamlessly move between private and public networks is essential.
- A device activated within overlapping private and public network coverage, may register to the public cellular network and not the private network. Users will need to manually register to the private network.
- Achieving automated switching from one network to another when appropriate conditions are met and maintaining communication sessions at the application level.



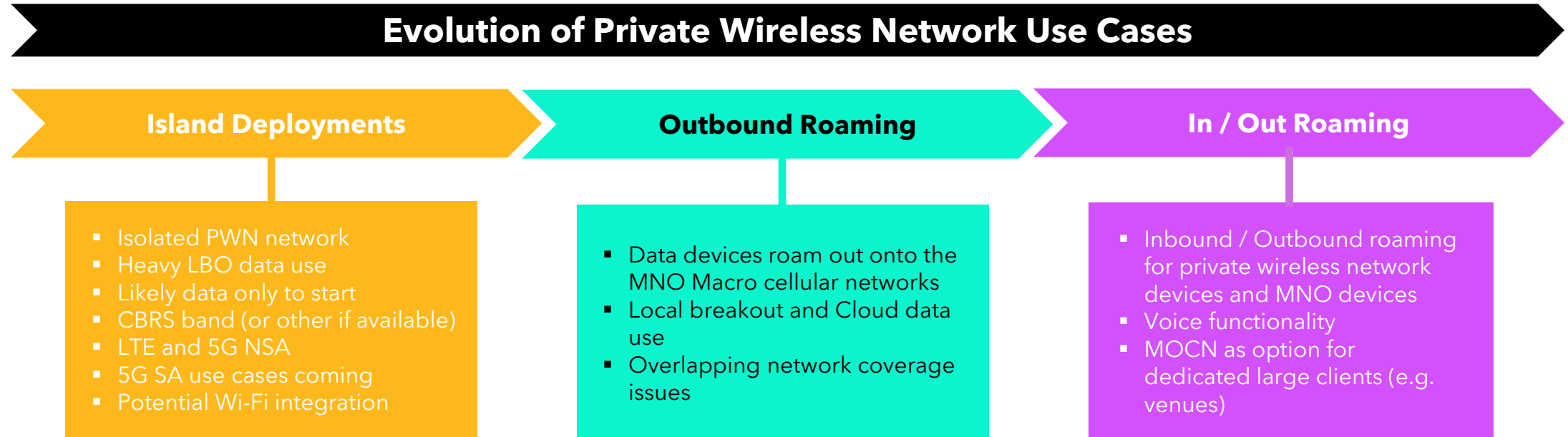
Delivering Your Connected Vision

Unique advantages of the world's most connected company.



The Need for Mobility

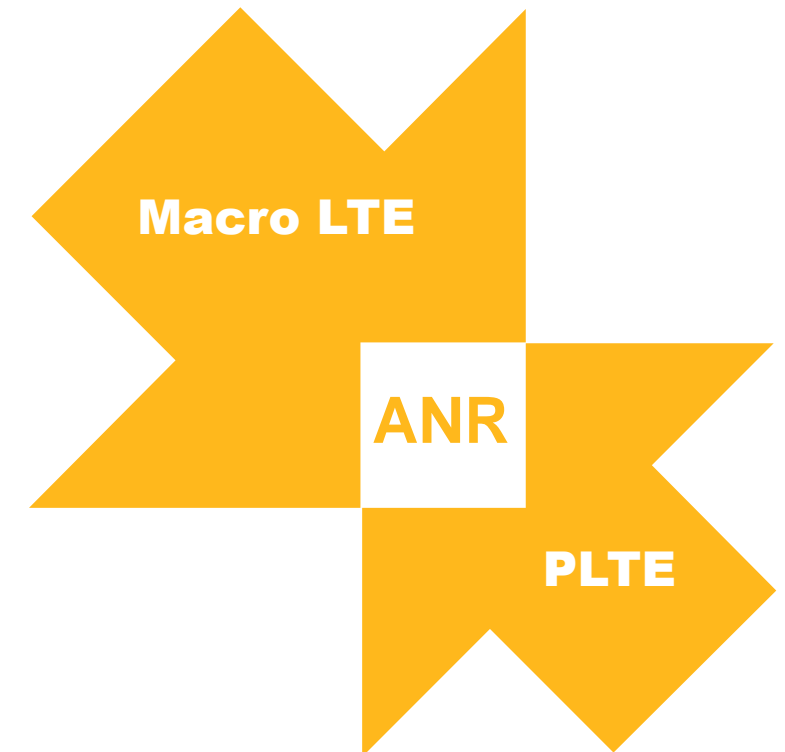
Private wireless use cases are evolving based on growing customer requirements



Syniverse Automated Network Reselection (ANR)

Macro Network Deployment Concepts

- Syniverse leverages its Automated Network Reselection (ANR) solution to enable the Private Network device to migrate back to the Private Network after roaming onto the Macro Network
- Private Network devices roaming onto the Macro Network and Macro Network devices to roam onto the Private Network
 - Bilateral roaming concept
- Option for a solution that would enable the Macro Network device to the Private Network (Idle-Mode Reselection)
 - Syniverse has a concept to employ ANR in the Home Macro Network to support Idle-Mode Reselection behavior



Supporting 5G Consortium

Driving development of private mobile networks

Syniverse is in alignment with the 5G Consortium's efforts to promote an ecosystem of products and services that support LTE, 5G and CBRS private network deployments, and ensure systems are interoperable with each other and between private and macro wireless network environments.

Syniverse is pleased to be an inaugural member of Athonet's 5G Consortium. We look forward to working with the consortium members - present and future state - to help enterprises manage their critical communication needs on both private and public networks.



Senior Business Development Director

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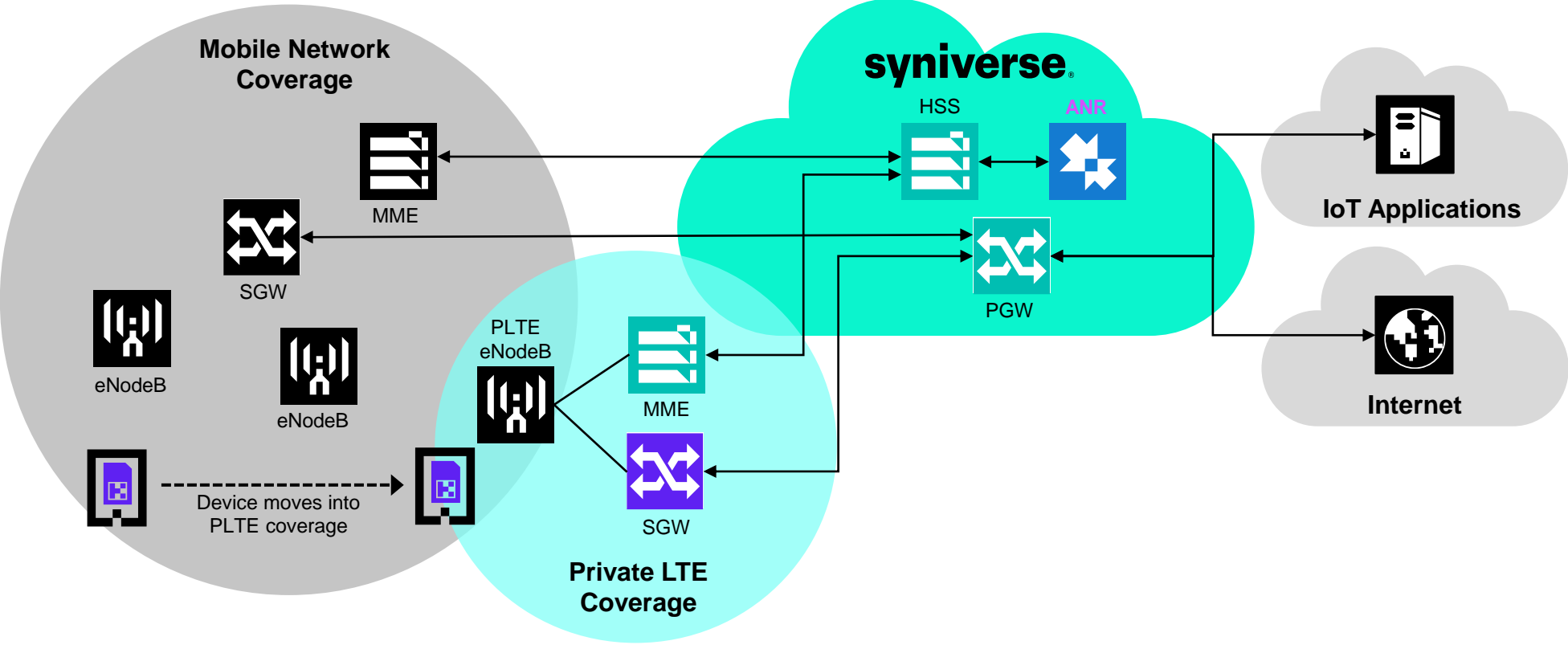
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**The world's
most connected
company[®]**

syniverse[®]

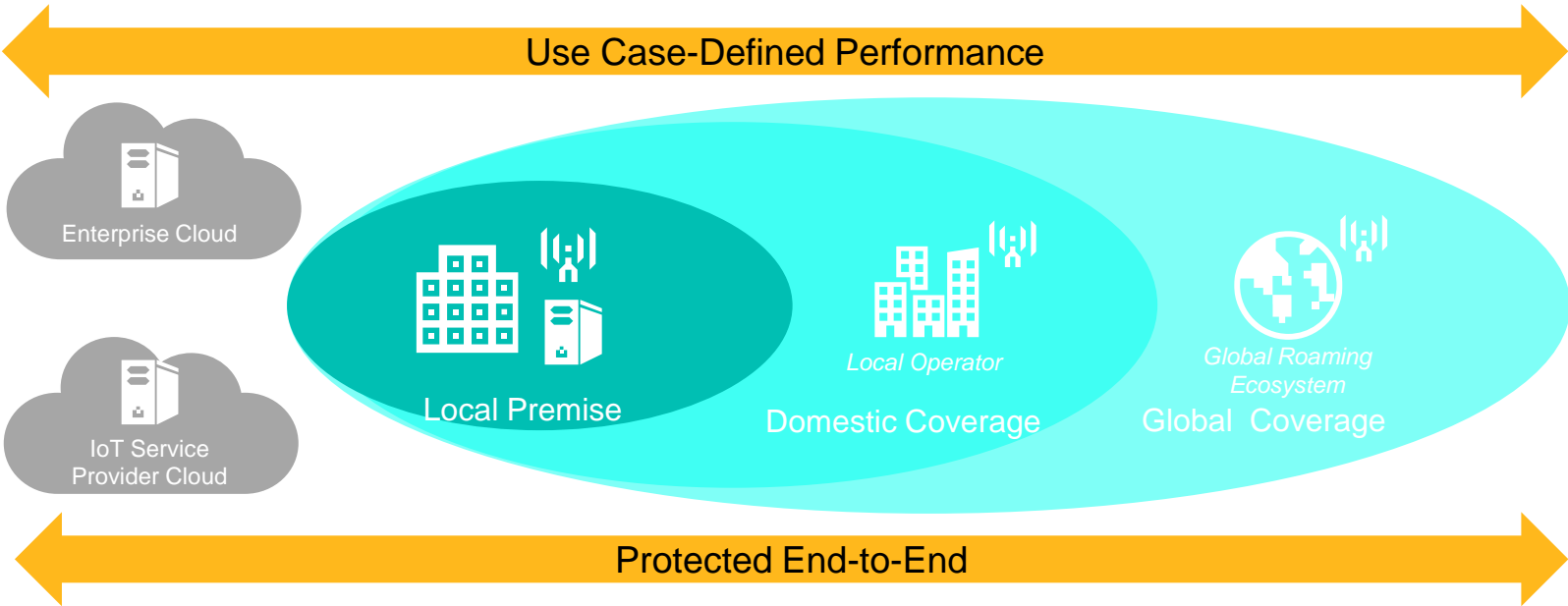
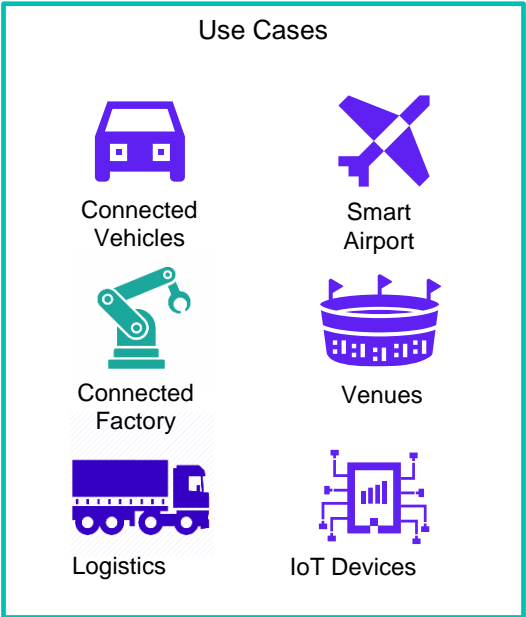
Syniverse Private Wireless Network Diagram

Macro Network Overlap of Services



Syniverse Private Wireless

Enable interconnect between private and public networks.



Privat
Use cas
lines of
slide. O
the prev
cases to a
be mo

Control
Orchestrate devices and connections, resources, and traffic priorities.



Performance
Built to handle the capacity of global macro networks.



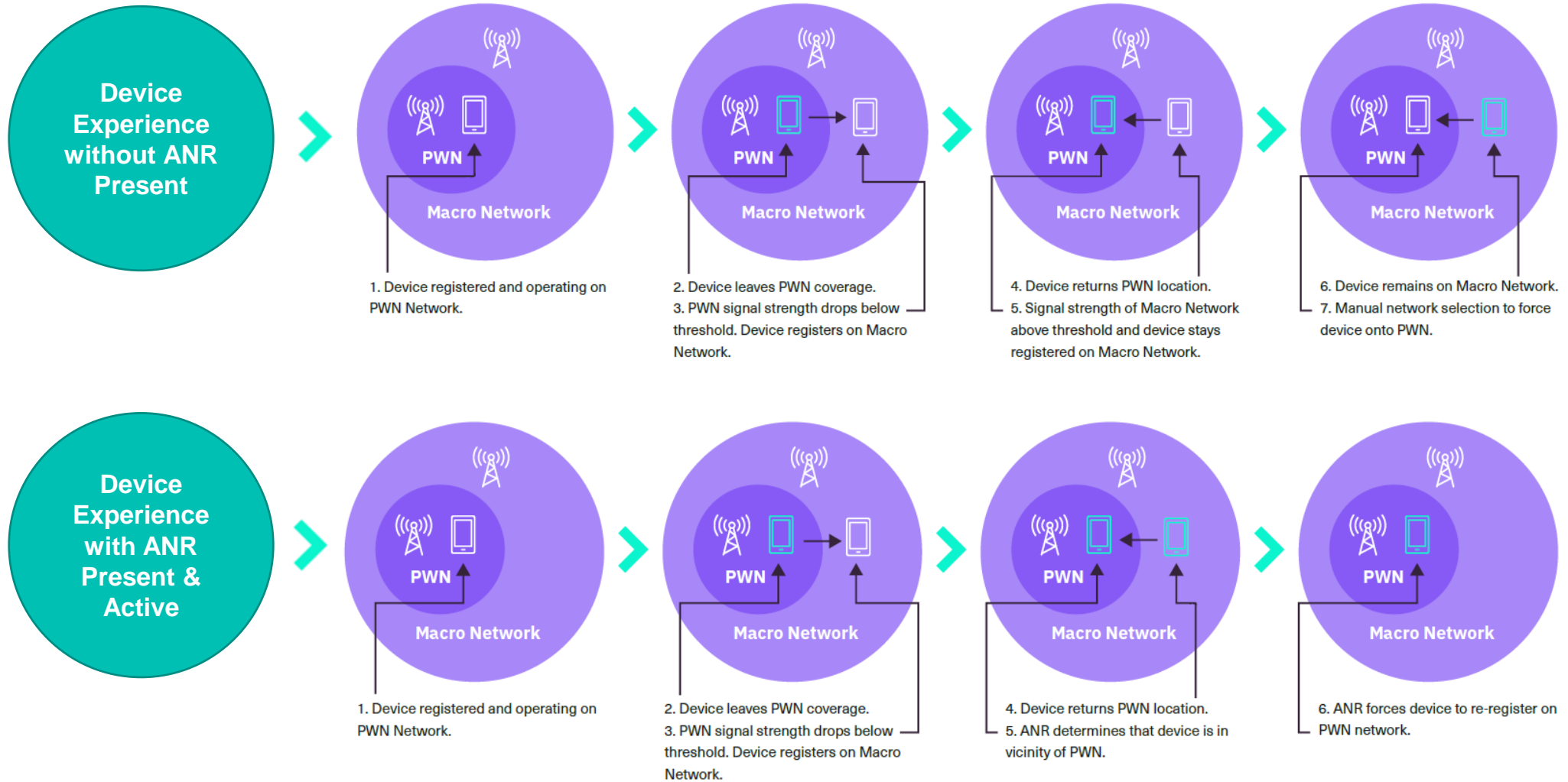
Security
Establish a higher level of protection in mission-critical environments.



Mobility
Connect to the largest network of public mobile networks in the world.



Device Experience



What Sets Us Apart

Key differentiators that enable us to connect the world.



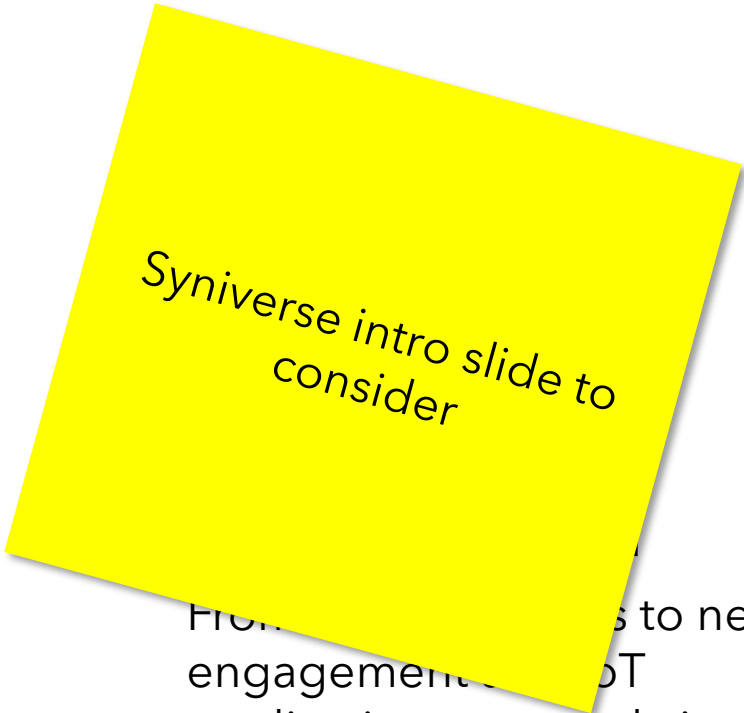
Globally-connected

Our platforms sit at the intersection of the world's carriers, private networks, and enterprises—enabling us to connect anything, anywhere, anytime.



Vertically-integrated

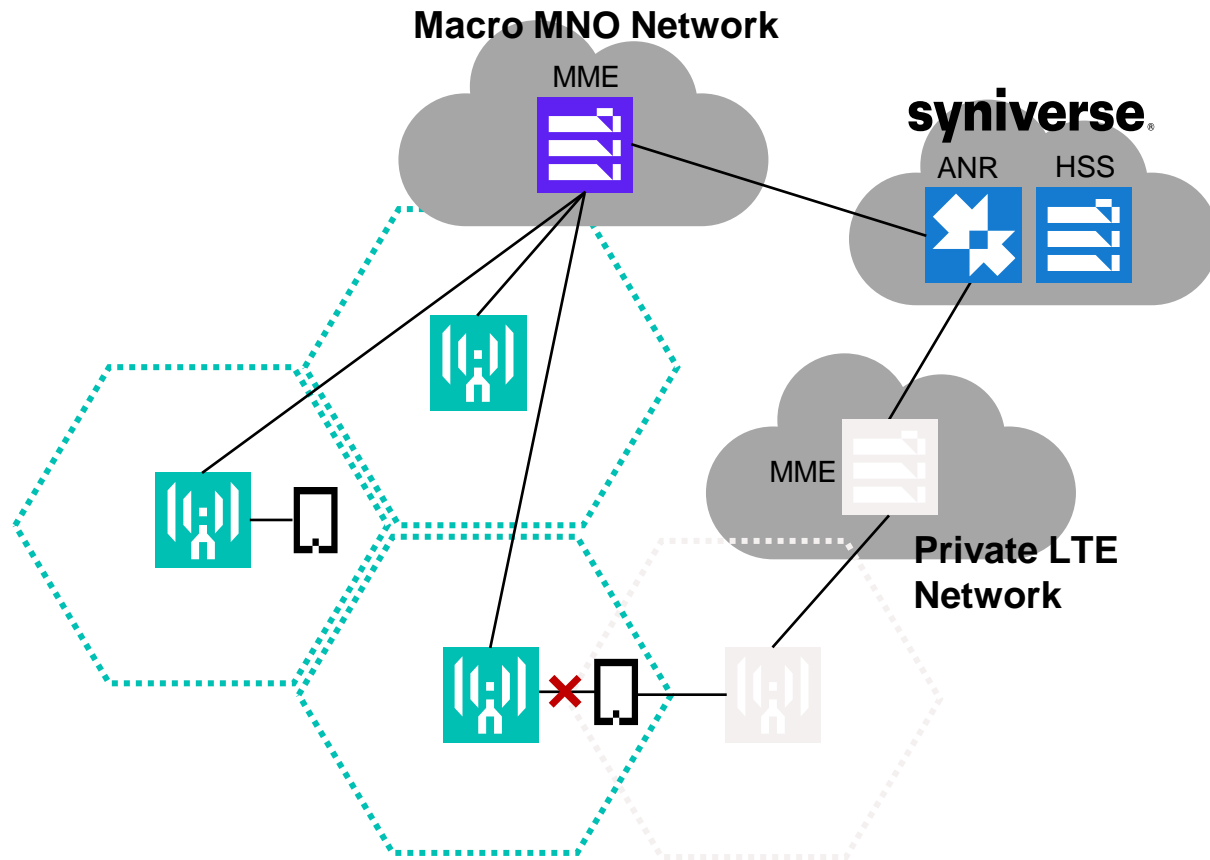
Our full-stack technology integrates network infrastructure with software and services—giving us unique, end-to-end control over quality and throughput.



From... to new engagement... applications, we are bringing the power of software to bear on communications infrastructure and experiences.

Automated Network Reselection (ANR)

ANR uses device location relative to preferred network coverage to direct device to preferred network connectivity control service



Syniverse Network Management

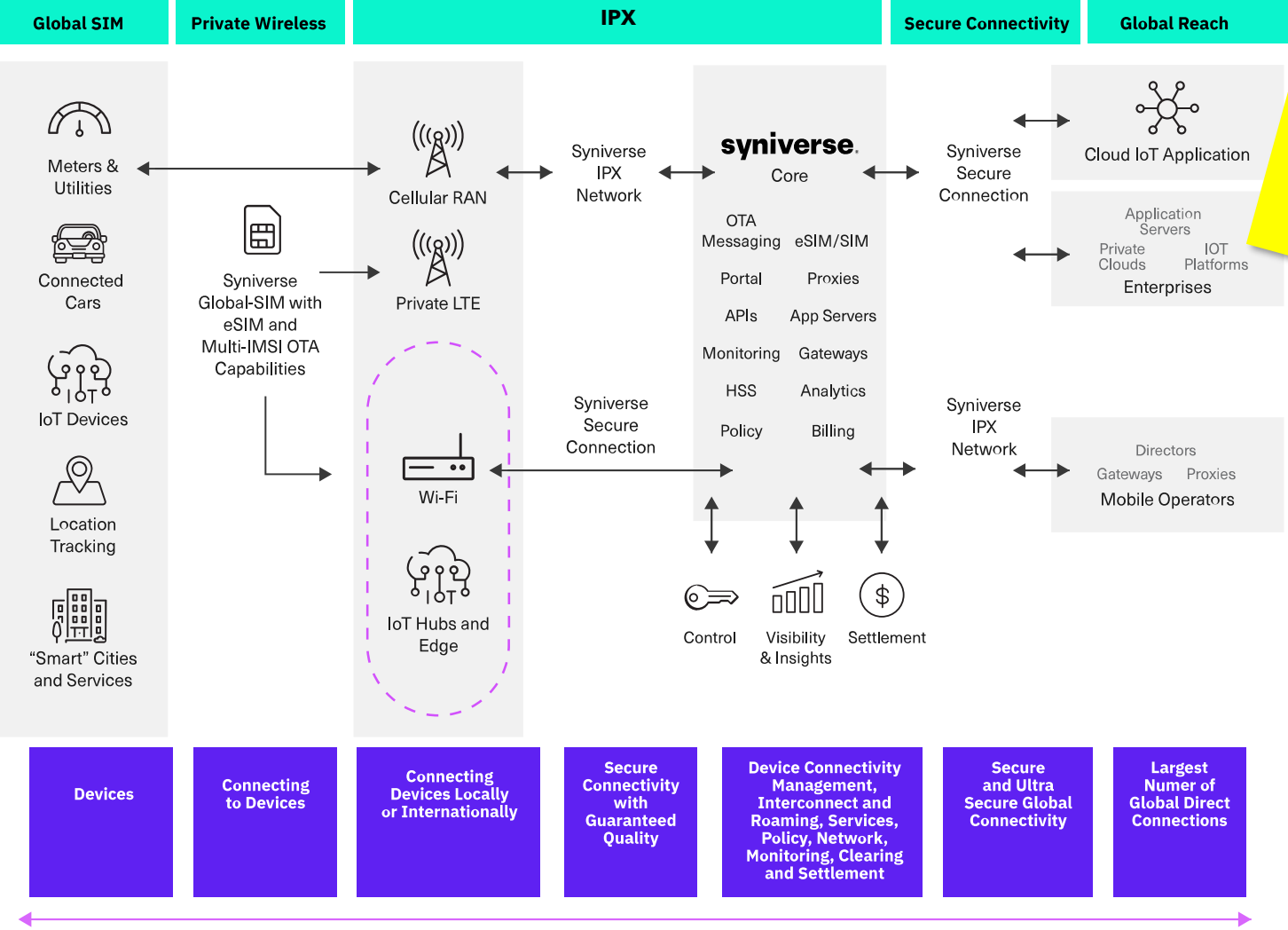
- Periodic location information
- Utilizes device positioning to predict whether the device is within Private LTE Network coverage

If the device is in the Private LTE Network coverage...

- ANR directs device to attach to the "newly" preferred Private Network
- Protection mechanism in place to avoid out of service if the device continuously attaches to the macro network

Syniverse Managed Solution for Private Networks

Intelligently route mobile data traffic locally and globally



Private Network interface covering devices, out to Macro via IPX. Connectivity to IoT, Enterprise, Global MNOs

If this works, then I will redevelop into a clearer image. Update icons.