

6G Forum @ one6G Summit

Recent Progress of 6G R&D in Korea : 6G Vision Fest & Network Intelligence Perspective

2025. 09. 18. (Thur)

KyungHi Chang

Executive Committee Chair

6G Forum

(ECE Dept., Inha Univ.)



6G Forum



A system to secure Global 6G Leadership

In line with the K-Network 2030 strategy of the Ministry of Science and ICT (May 30, 2023)



■ A public-private partnership organization to build an industrial ecosystem foundation

- ▶ To proactively set 6G strategies in response to the rapidly changing technological advancement to secure global leadership
- ▶ To promote international cooperation with global 5G/6G-related organizations and support leadership in international standardization.
- ▶ To put efforts in the identification of new services to accelerate the convergence across various industries with 5G/6G

After 10 years of successful 5G Forum activities since its inception on May. 30, 2013,

➤ Support in expanding 5G into Verticals & achieving Global Leadership in 6G

5G Evolution

5G Expansion into Verticals (~Y2026)

5G Building a Platform for Expanding 5G into Verticals
Showcasing Exemplary Cases of 5G Verticals



6G Revolution

Achieving Global 6G Leadership (~Y2030)

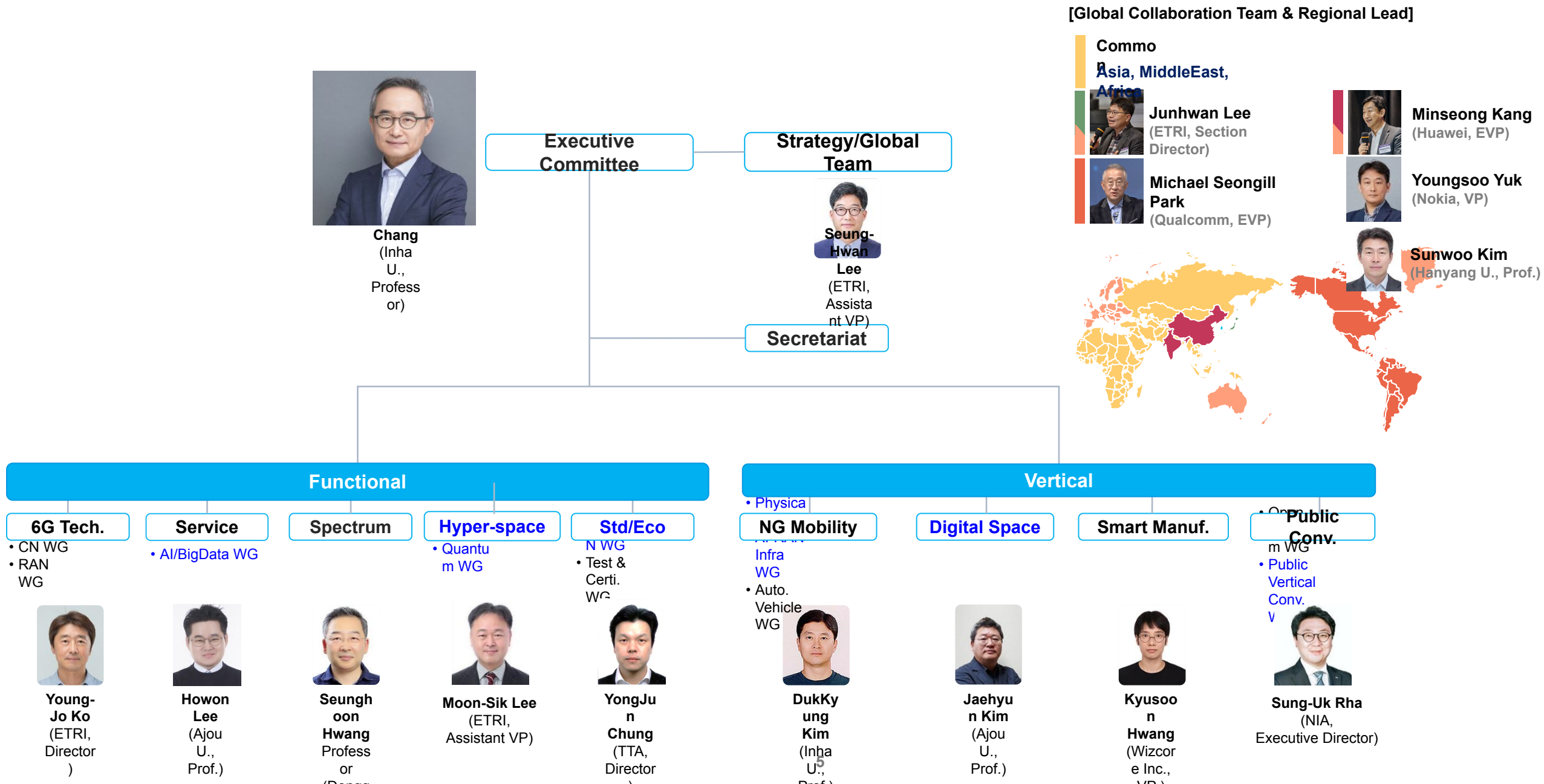
Global Cooperation System Set-up for
6G
World Best Commercialization Support
for 6G



Experience and Lessons from 5G Commercialization

- Support Government, Research Institutes, Academies & Industries to accelerate Innovation in 6G

Advisory, Executive - 9 Technical Committees (10 WGs) + 2 Teams



> Domestic Telcos, Vendors, Solution Providers, SMEs, Gov. Agencies & Global Companies (Total 56 member companies)

Chair Companies (10)							
Member Companies (46)							

+ More than 30 Extra Academia Members

Activities by Number

• USA : 5G Americas, **Next G**

Alliance

• China : IMT-2020PG, **IMT-2030PG**

• Japan : 5GMF, **XGMF**

• Taiwan : 5G Alliance-CHT Pilot

• EU : 5G PPP, UK 5G IN, WWRF

5G ACIA, 5G AA, **6G-IA** , **one6G**

• Turkiye : 5GTR

• Indonesia : i5G Forum

• India : TSDSI, **B6GA**

• Malaysia : MTSFB

• **GSMA**

2

2



Members
Companies

5

6

- Chairs :
10
LGU+(Chair Company),
SKT, KT, Samsung
Electronics, LG
Electronics,
Ericsson LG, KMW, ETRI,
Innowireless, Samsung
- SMEs : 30
- Gov. Agencies :
8
- Global : 8

+3 Companies (Approval scheduled for August)



- Executive Committee
- Advisory Committee
- Strategy/International Collaboration Team
- 9 Technical Committees & 2 Teams
- 10 Working Groups (WGs)

Committee/WG
Meetings

120

(Year
Av.)



White Paper / Issue
Report

78

- White Paper :
55
✓ 5G-Advanced RAN1/2 Standard, 5G-Advanced architecture, C-V2X, UAM CNS systems, NR RedCap for Smart Manufacturing, Open RAN Testing and Certification, Open RAN Small Cells, **NTN and Open RAN, Quantum Cryptography, 6G and Generative AI**
- Issue Report :
21
✓ Frequency Trends, Vertical Service Standard, Private 5G networks, Energy-efficient Networks, Hyperconnected Intelligent Cities, Ultra-Low Latency Video Processing for Remote Vehicle Operation, **6G Vision, 6G Smart Mining, etc.**
- **6G Report : 6G Vision, 6G FTTH**

- Global 5G Event : 11
- 5G Vertical Summit : 11
- Regional Workshop : 8
- 6G Global : 5
- 5G Open Symposium : 9
- 6G Tech Workshop : 1
- **6G Forum-NGA JWS : 2**
- **6G Forum-B6GA JWS : 1**
- **Mobile Korea Demo Fest : 1** (Planned at Mobile Korea 2025, Oct 27-30)



Promotion

46

Projects & Policy
Supports

4

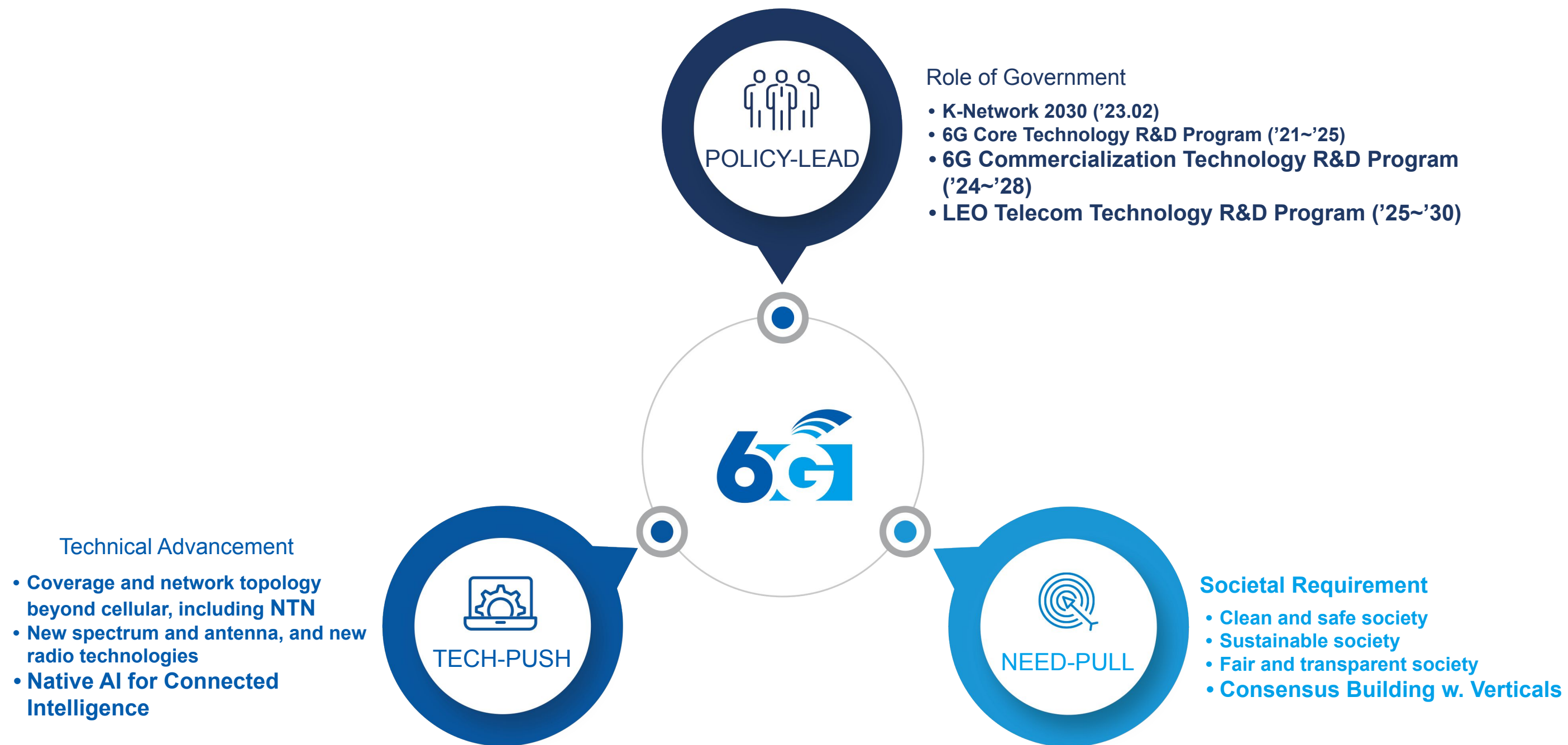
- Projects
✓ TTA ICT Standardization Forum Support Program: 10 years
- ✓ Study on **5G+ Convergence Technologies**.
- ✓ Study on **5G+ Factories and Convergence Services**.
- ✓ Study on **Open RAN Fronthaul and Small Cell Technologies**.
- ✓ Study on **5G Private Networks and 5G+ Convergence Services**
- Policy Supports
✓ 5G/5G+ Strategy and Working Committees
- ✓ Support for 5G Convergence Service Pilot Projects
- ✓ 6G R&D Strategy Committee
- ✓ **Advisory Activities on C-ITS Comm. Tech. Decision**
- ✓ **6G Society**

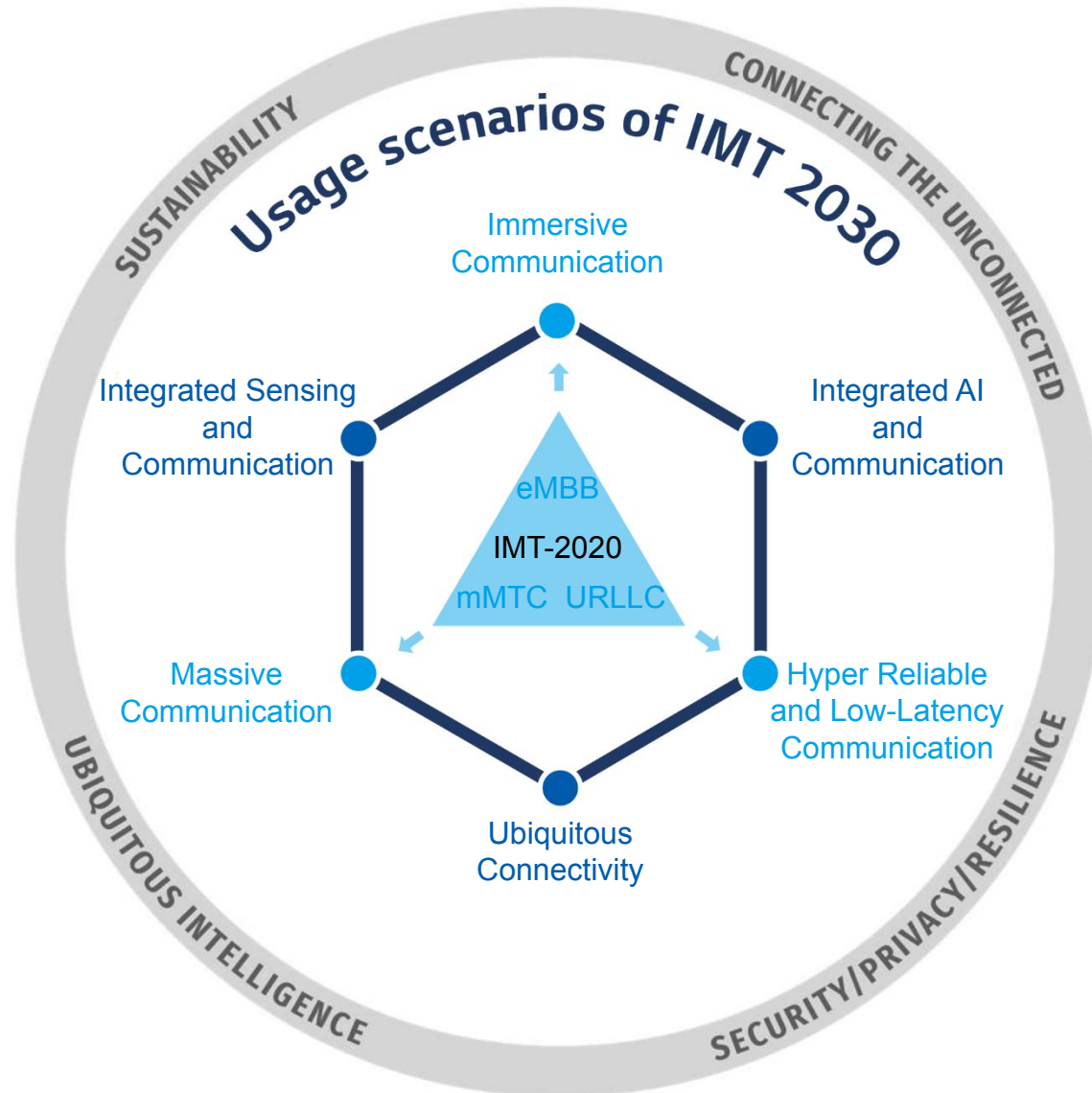


8

6G Framework & 3GPP WS on 6G







Capabilities of IMT-2030

NOTE: The range of values given for capabilities are estimated targets for research and investigation of IMT-2030.





6G Motivation (Why 6G?)



AI/ML



- Support for **New Services and Use Cases**
 - Enabling new services and use cases beyond traditional communication, such as integrated sensing and communication (ISAC), XR/Immersive communication, and AI-based services – Compute.
- Revenue Growth and Monetization**
 - Creating new revenue streams by monetizing network capabilities and supporting diverse applications across industries.
- AI and Automation**
 - Implementing AI-native networks for automation, optimization, and improved efficiency in network management and resource allocation.
- Energy Efficiency and Sustainability**
 - Reducing energy consumption and promoting environmental sustainability through energy-saving features in network design and AI-driven power management.

- Spectrum Efficiency**
 - Utilizing spectrum efficiently, including dynamic spectrum sharing and exploring new spectrum bands.
- Ubiquitous Coverage**
 - Seamlessly integrating terrestrial and non-terrestrial networks (NTN) for ubiquitous coverage and resilient services.
- Total Cost of Ownership (TCO) Reduction**
 - Reducing capital expenditure (CAPEX) and operational expenditure (OPEX) through simplified network operations and improved energy efficiency.
- Improved Service Reliability and Customer Experience**
 - Enhancing service reliability, resiliency, and insights for improved customer experience.
- Network Simplification**
 - Simplifying network architecture, reducing complexity, and improving operational efficiency.

- AI for 6G:** This refers to using AI technologies to enhance and optimize 6G network operations, performance, and management. It involves integrating AI algorithms and machine learning models into various aspects of the 6G infrastructure to enable intelligent automation, efficient resource allocation, enhanced security, and improved service delivery. **AI is a tool to make 6G better.** Examples include using AI for:
 - Network management and orchestration including Resource allocation, predictive maintenance and Anomaly detection
 - Security threat detection and prevention
 - QoS optimization and service personalization
 - Energy efficiency and sustainability
 - Radio interface optimizations such as RS overhead reduction, channel estimation, modulation, AI based receiver, protocol parameter adaptation, etc.

- 6G for AI:** This refers to designing 6G networks to natively support and facilitate AI-driven applications, services, and use cases. It involves creating a network architecture that can efficiently handle the unique requirements of AI workloads, such as large data volumes, low latency, and high computing power. **6G is a platform to enable AI.** Examples include:
 - Providing AI-as-a-Service (AIaaS) to various stakeholders
 - Enabling AI agent communication and collaboration
 - Supporting AI model training, inference, and management
 - Facilitating data collection, transmission, storage, and processing for AI applications
 - Enabling new AI-driven services such as personalized experiences, intelligent connectivity, and autonomous systems



6G System Design Considerations



Integration of Non-Terrestrial Networks (NTN)

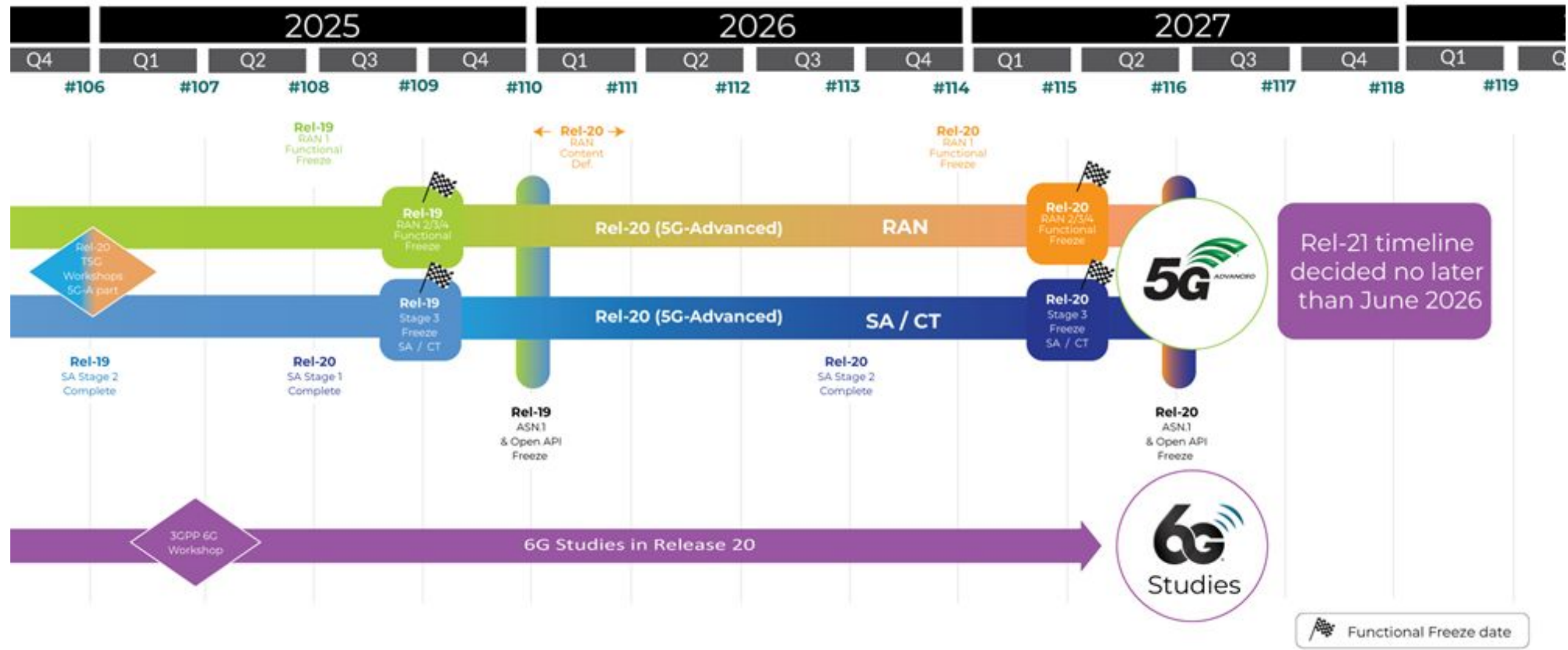


- Focus and Simplicity**
 - Lean and streamlined standards for 6G, e.g., by dimensioning an appropriate set of functionalities, minimizing the adoption of multiple options for the same functionality, avoiding excessive configurations, etc.
- Cloud-Native Architecture**
 - Designing networks to be cloud-native to enable flexibility, agility, and innovation.
- AI-Native Design**
 - Integrating AI and ML frameworks natively into the network for intelligent automation, optimization, and improved efficiency.
- Scalability and Modular Design**
 - Implementing a scalable and modular design that allows a wide range of features, device types, services, and spectrum bands to be developed and deployed as needed.
- Software-Driven Deployment**
 - Software-driven deployment with needs-based hardware refresh to allow for continuous innovation and agility.
- Interoperability**
 - Designing components with interoperable interfaces and a unified management framework to ensure interoperability and avoid fragmentation.
- Enhanced Security**
 - Ensuring the 6G system is secure by design to provide enhanced security and privacy.
- IoT Support**
 - Designing 6G to support diverse IoT device types and use cases from day one, with a focus on long-term commitments and multi-generational solutions.
- Service-Aware**
 - Enabling a service-aware intelligent network powered by AI-native, programmable, and service-aware 6G RAN.
- Ubiquitous Connectivity**
 - Providing ubiquitous coverage through seamless integration of terrestrial and non-terrestrial networks.

- 6G radio design to **inherently support TN and NTN with a common design** (as much as possible)
- Enhancement to 6G NTN beyond NR NTN (e.g. GNSS-less operation)
- Mechanisms to geo fence a Broadcast service provided by satellite access (i.e. bounded to a targeted geographical area).
- Mesh connectivity (UE-SAT-UE)** with or without available feeder link while addressing security requirements
- Use the **satellite access** to also provide backhaul services to local area networks on board **aircraft, vessels, trains**
- Network entry/idle mode and connected mode across orbit
- Route optimization for satellite-borne networks

from Chair's
Summary

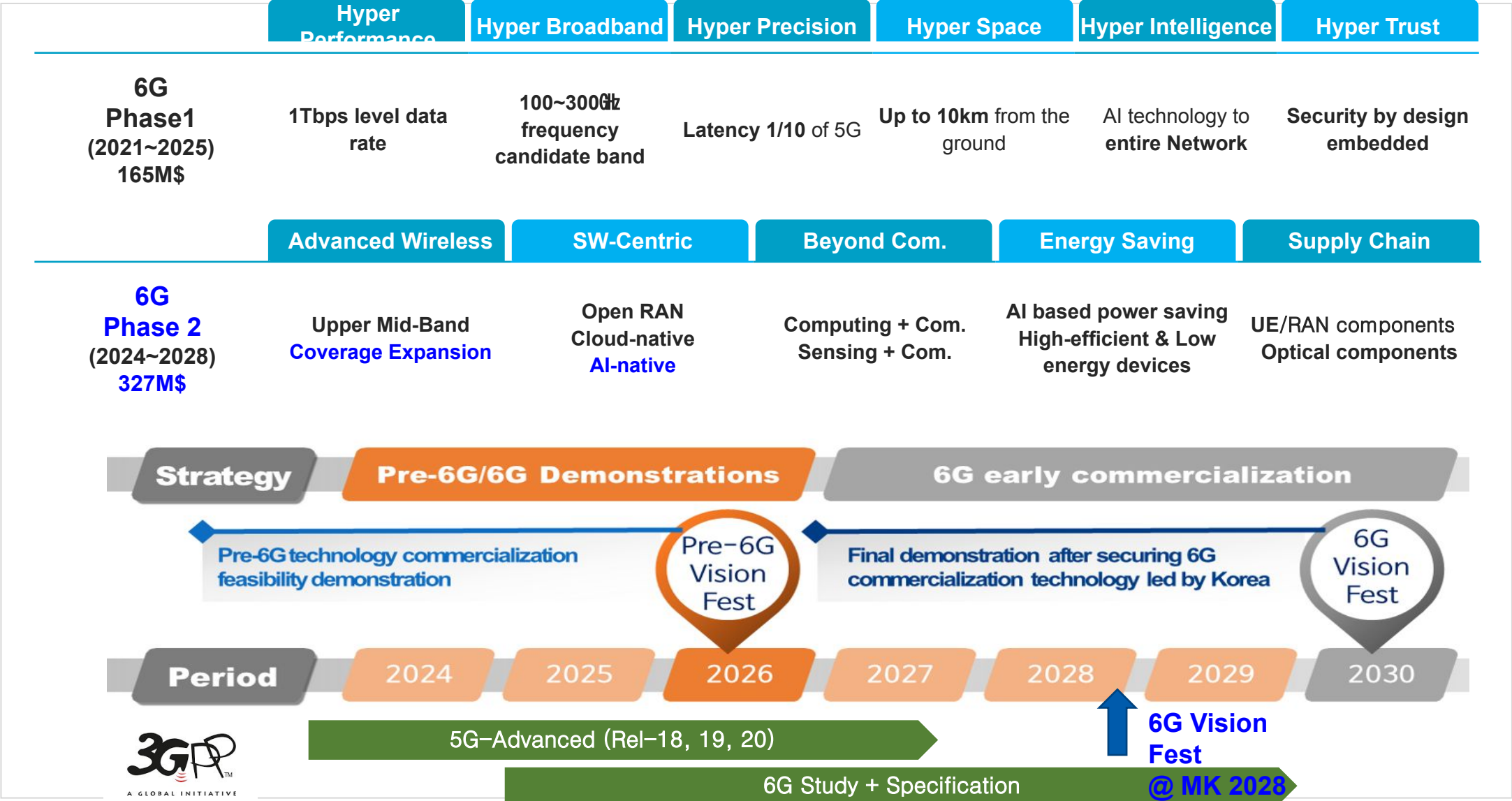
from Chair's Summary



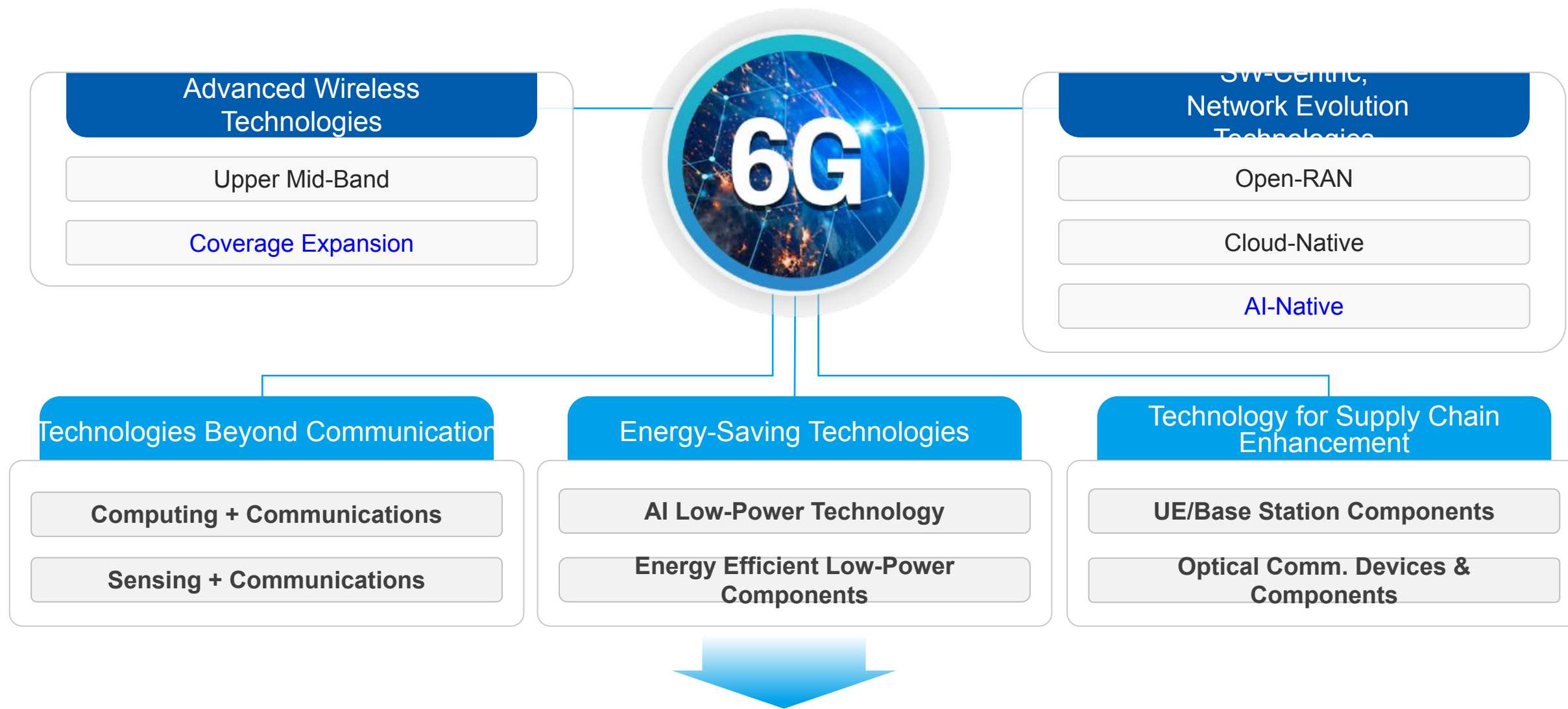
6G Day-1 R&D in Korea



> Whole Roadmap towards 6G from R&D & Commercialization Perspective

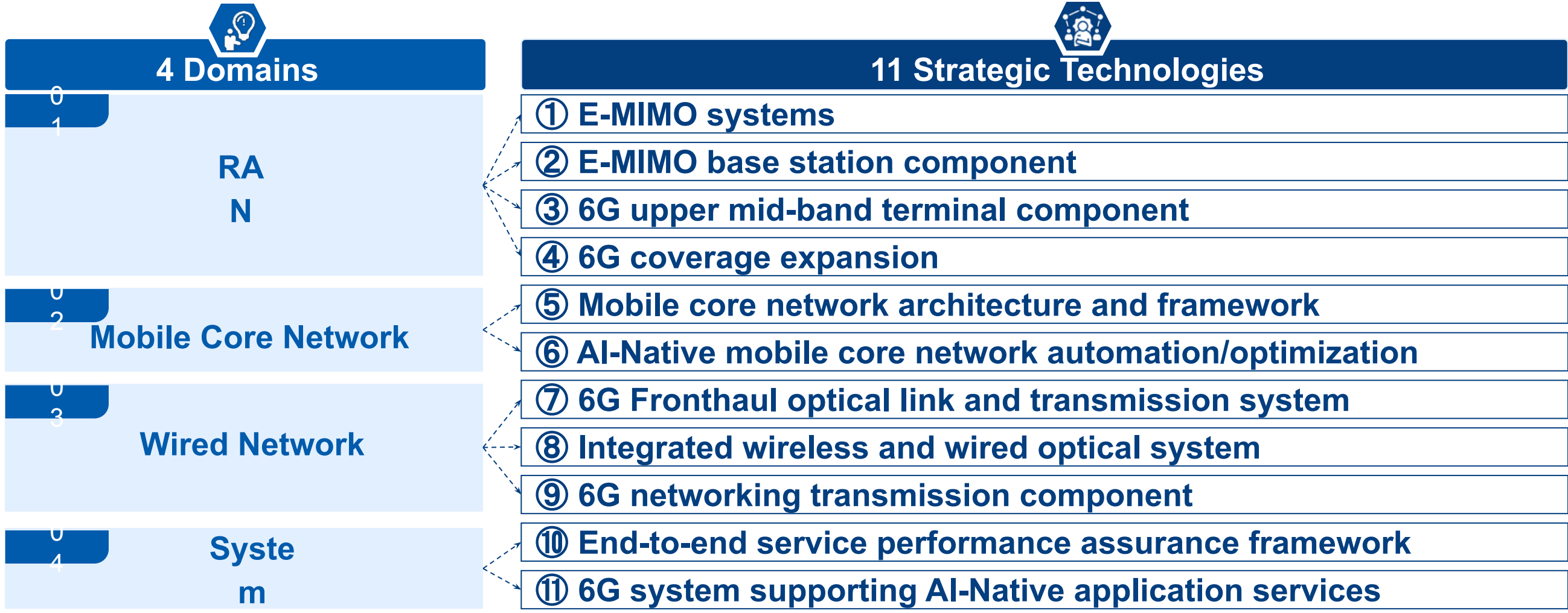


➤ To overcome the Limitations of 5G reflecting the Future Technology Trends



6G Commercialization Technology R&D Program launched (USD 327m, 2024-2028)

➤ Promoting the Development & Standardization of **11 Strategic Tech. across 4 Major Domains**, aiming to make a **Pre-6G & 6G Demonstration by 2026 & 2028**

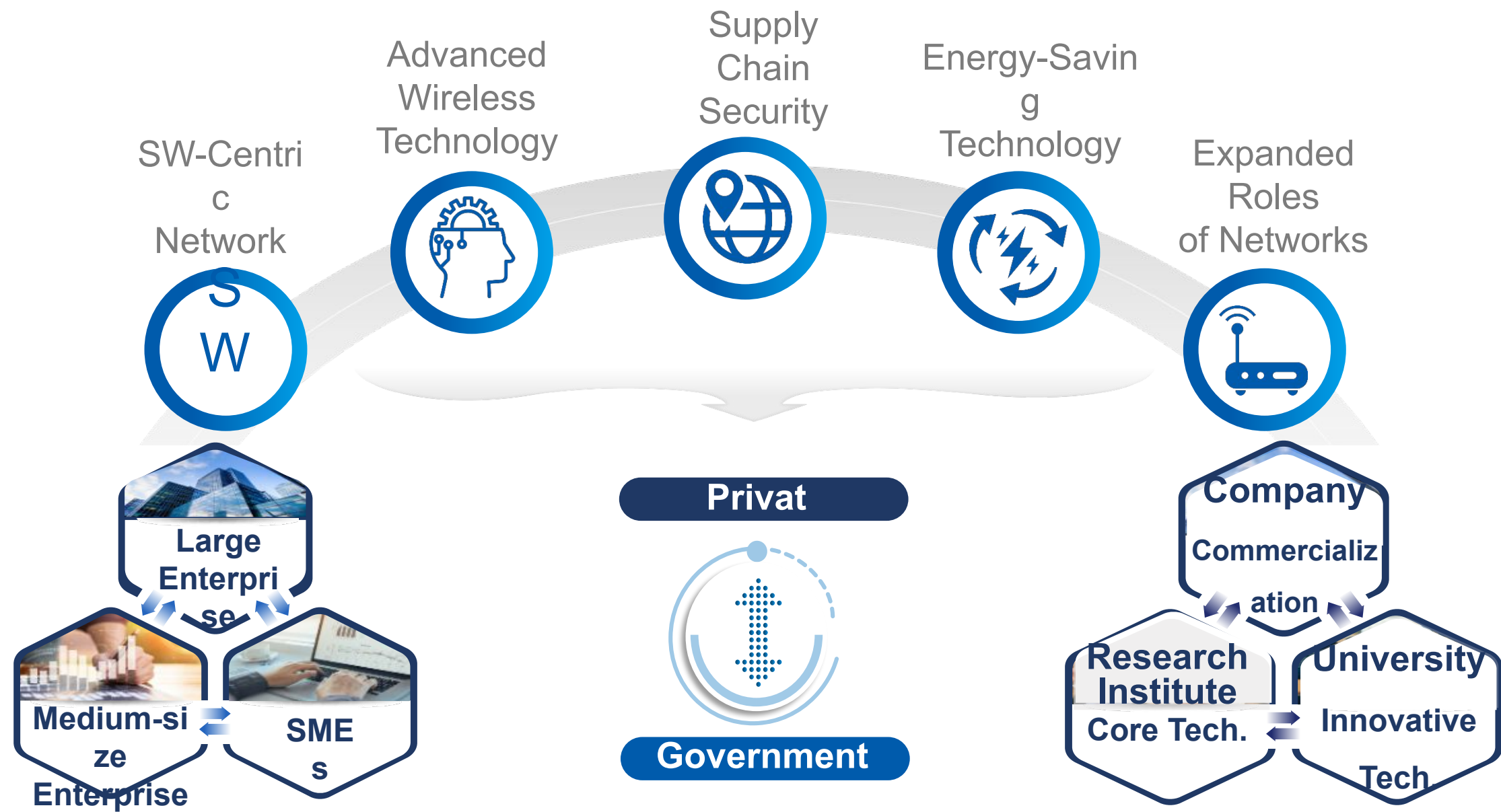


Sustainability (Low power consumption)

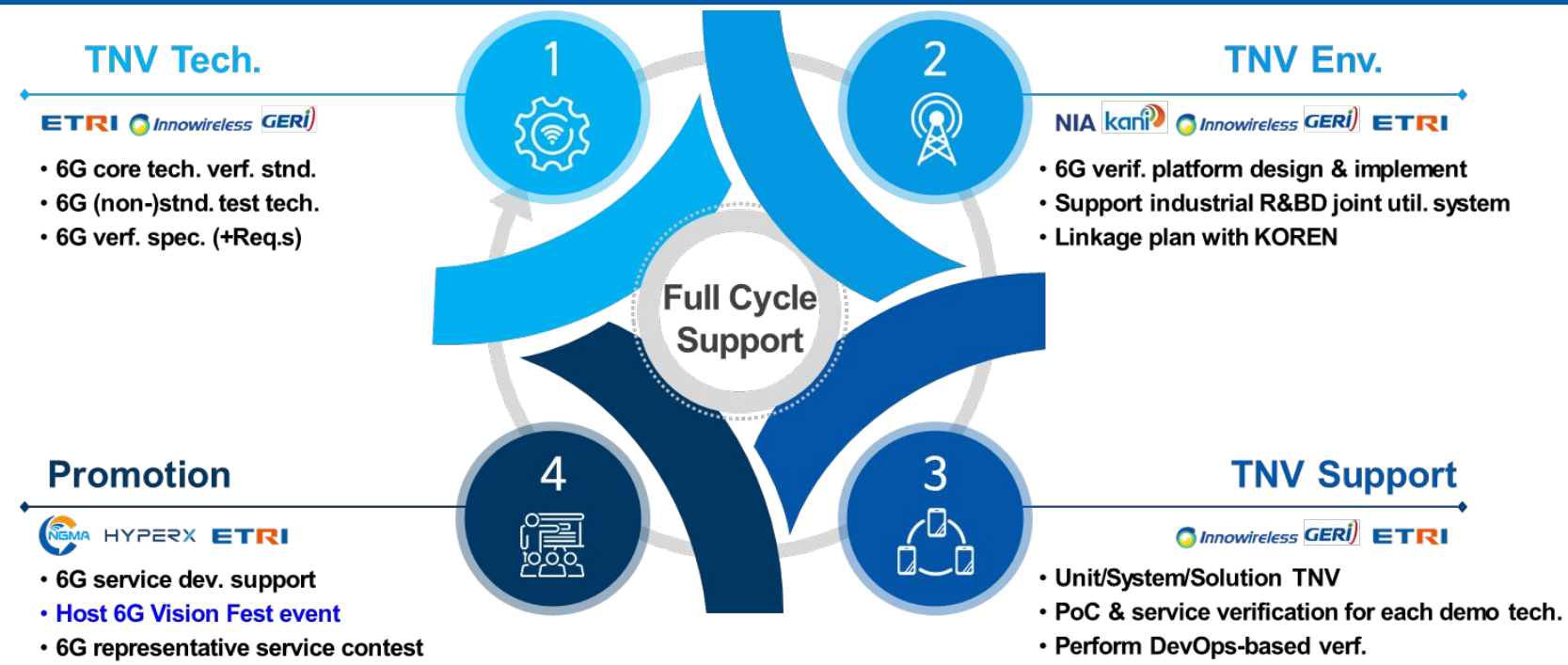
Security

Reliability

> Demo of **47 core technologies** in **11 strategic technology areas** to secure the initiative in 6G commercialization



Pre-6G & 6G Test & Verification (TNV)



Standard/Non-Standard Requirements & Test Items

- RF Protocol
- RRM Interoperability
- Reliability
- Security
- Radiated performance
- QoS/QoE
- Additional



Global T&M Vendors Trends

- Keysight Technologies
- Rohde & Schwarz
- Viavi Solutions
- Anritsu
- Tektronix



Stage

Y1	2025	Y2	2026	Y3	2027	Y4	2028
Under MSIT Nation-wide 6G Phase 2 RND Project				Under MSIT Nation-wide 6G Phase 2 RND Project			
Pre-6G TNV Spec.				6G TNV Spec.			
Pre-6G (non-)Stnd. Test Tech.				6G (non-)Stnd. Test Tech.			

Contents

1 액세스 분야 : 15개 과제

구분	2024	2025	2026년	합계
Upper and Band 기술	10	1	-	11
Advanced Duplex 기술	1	-	-	1
3차원 공간 다중화 기술	-	-	1	1
RAI-PIC 기술	-	-	1	1
AI-Enhanced 무선 인터페이스 기술	-	-	1	1
합계	11	1	3	15

2 네트워크 분야 : 9개 과제

구분	2024	2025	2026년	합계
IMR 및 광대역 서비스 기술	2	-	-	2
광대역 서비스 및 광대역 기술	4	-	-	4
광대역 서비스 및 광대역 기술	-	1	-	1
POH/MAC 기술	1	-	-	1
데이터 중심 서비스 기술	1	-	-	1
합계	8	1	-	9

3 코어망 분야 : 3개 과제

구분	2024	2025	2026년	합계
5G-A 서비스 및 서비스 기술	1	-	-	1
크로스 클라우드 인터페이스 기술	1	-	-	1
네트워크 통합 기능 및 서비스 기술	1	-	-	1
합계	3	-	-	3

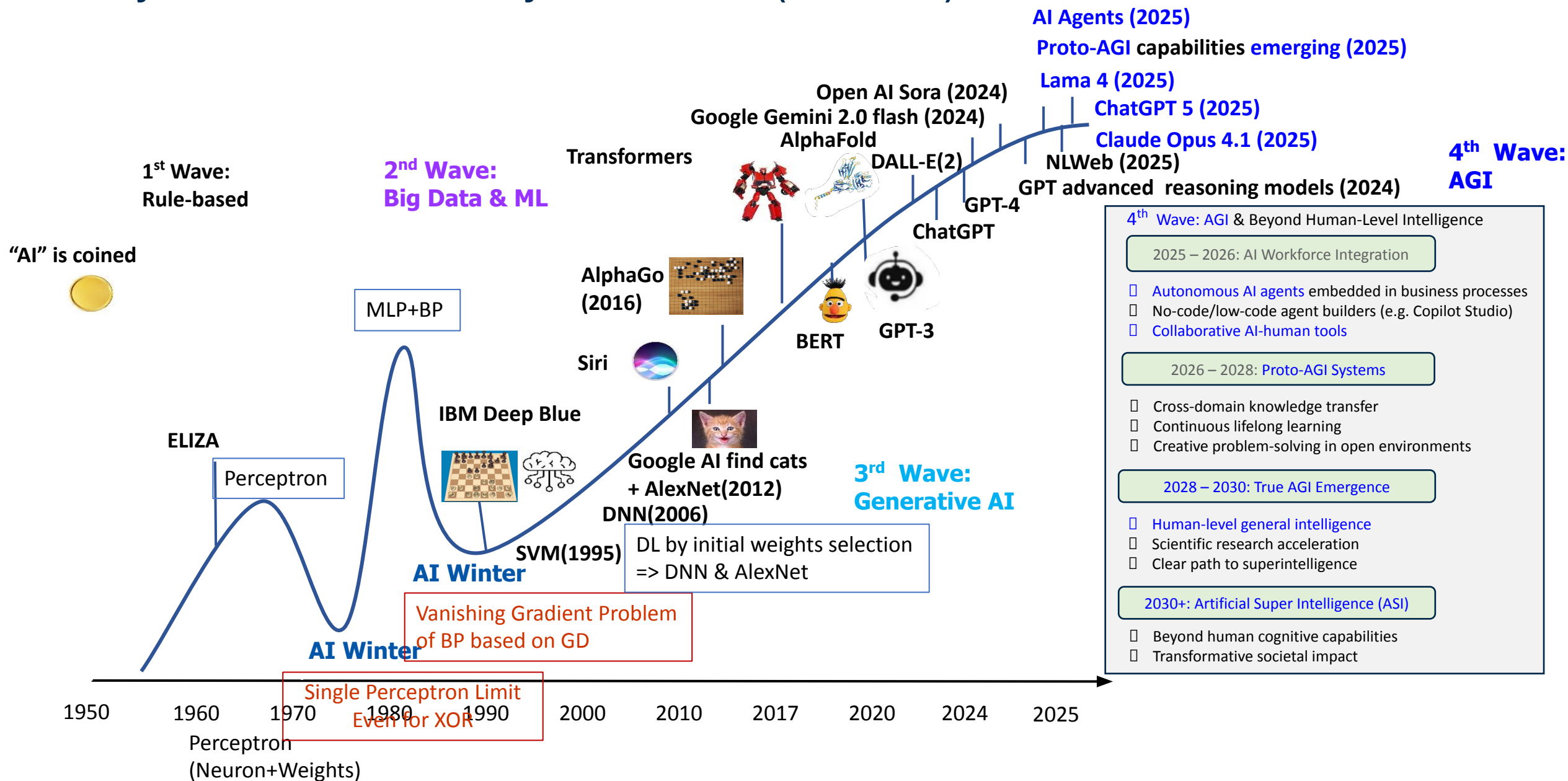
4 운용관리 분야 : 3개 과제

구분	2024	2025	2026년	합계
프로그래밍 가능한 네트워크 기술	1	-	-	1
프로그래밍 가능한 네트워크 기술	-	1	-	1
서비스 오버스트래팅 기술	1	-	-	1
합계	2	1	-	3

6G Intelligent Network



> History of AI : The Evolutionary Timeline of AI (1956-2025)



➤ Tech. Enablers to make major distinction of 6G over 5G : **NW Intelligence & NTN**

6G Forum

- **AI/BigData WG** (May 2022 ~) & **Physical AI-RAN Infra WG** (Sep. 2025 ~) to promote NW Intelligence

AI/ML Adoption in NW currently

- **NW Operation Intelligence** for 5G Hyper-Connectivity (usually for Anomaly Detection & Root Cause Analysis (ADRCA))
 - . In-Time NW Management
 - . Zero-Touch Network Operation
 - . Big Data-based Traffic Forecast
 - . RT Traffic & Service Control
- **5G Services by AI Agents**
 - . User-specific by NLP & Sentiment Analysis
- **Energy Saving (ES)**
 - . For RU (78%) : On/Off of Cell/Booster Carrier/MIMO TRx/PA & ES Mode Scheduling
 - . Data Center (for AI model training & inference)
 - : Robust SW Framework to resolve AI Workload

Challenges : Accurate Data Analytics for Decision Making Support / Way of Transforming AI/ML Knowledge for NW & Service

Out of Standard : Vendor-specific (HW Nonlinearity, Detector, Universal Decoder, part of

OAM, etc.)

Success Story

Ex1] **Planning & Operation** by AI : In-building Cell Planning for Best Number & Position of Cells

: Auto Energy Saving Operation of BS for Best Schedule of Sleep Period

Ex2] **Location Intelligence for Radio Opt.** by AI: RT Radio Quality Monitoring for KTX, Sub/Highway for ADRCA

Telco Edge AI: Rediscovering Telco Infra in the AI Era

Evolution Plan | NW for AI

Nationwide Telco Infra Utilization



KT AI-RAN

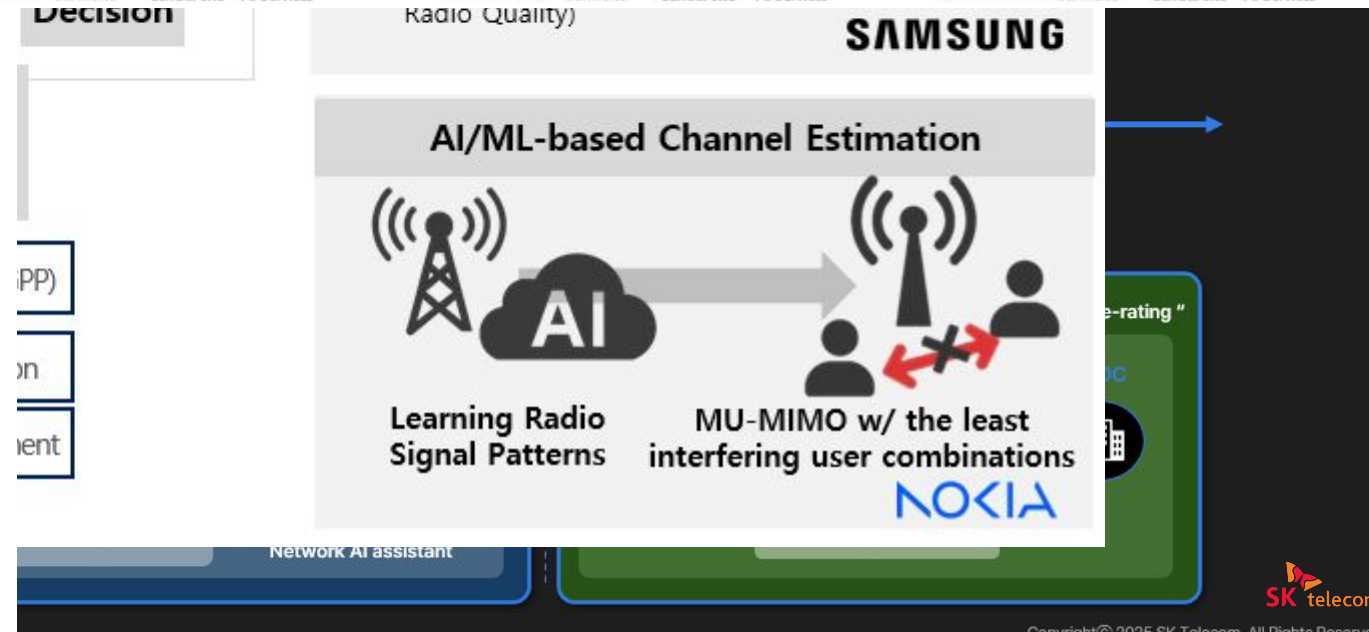
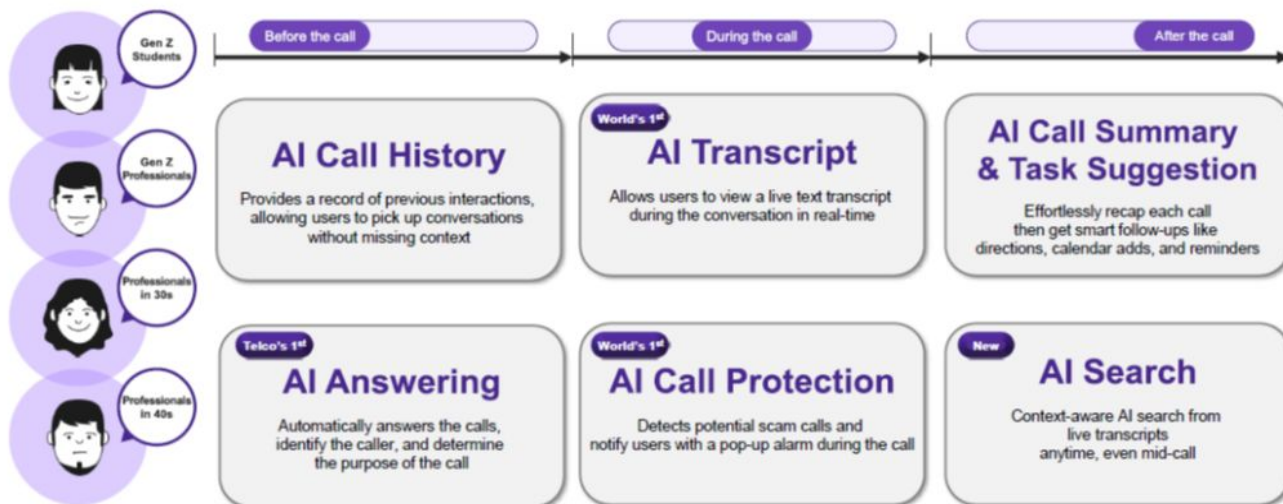
Aiming to enhance radio performance

AI RAN Architecture

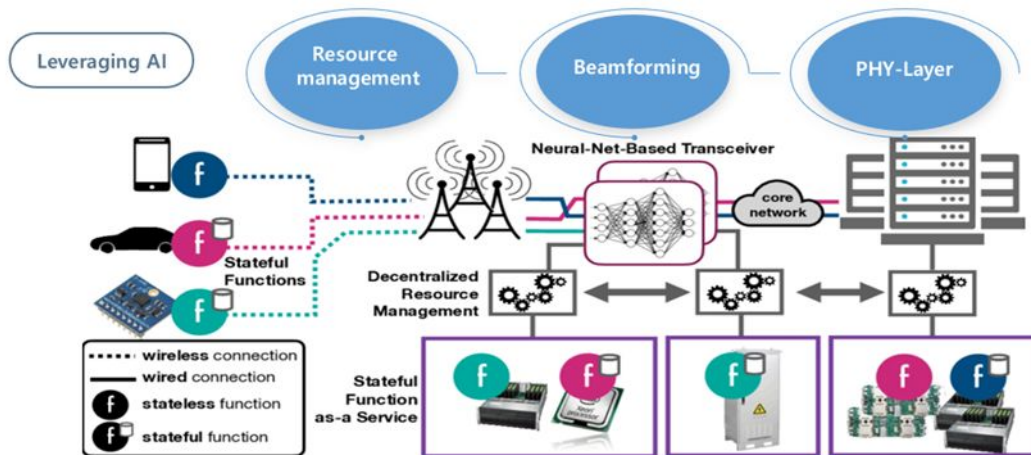


AI Services | ixi-O

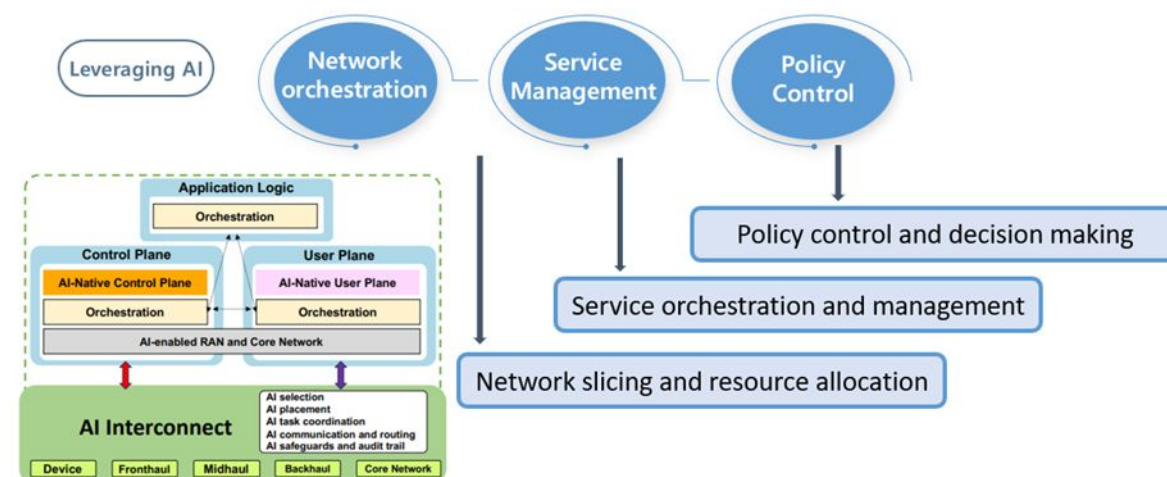
Based on customer research, we have identified pain points and needs throughout the call journey and applied AI to offer call convenience features



5GxAI Evolution in 3GPP



RAN Architecture- AI/ML



CN Architecture- AI/ML

59

Objectives of AI/ML for NR Air Interface in Rel.19

Normative Work Objectives (Provide specifications)

1. AI/ML general framework for one-side AI/ML models

2. Recommended Use Cases:

Beam Management

BM-Case1	BM-Case2
DL Tx beam prediction (UE-side & NW-side models)	Common framework to support BM-Case1/2

Positioning Accuracy

Direct AI/ML Positioning	AI/ML-assisted Positioning
Case 1: UE-based positioning with UE-side model	Case 3a: NG-RAN node assisted positioning

3. Core/Performance requirement for beam management & positioning accuracy and for AI/ML LCM procedure

Study Objectives

1. Use Case to study:

CSI Feedback Enhancement

AI/ML-based CSI Compression (Two-sided Model)	AI/ML-based CSI Prediction (One-sided Model)
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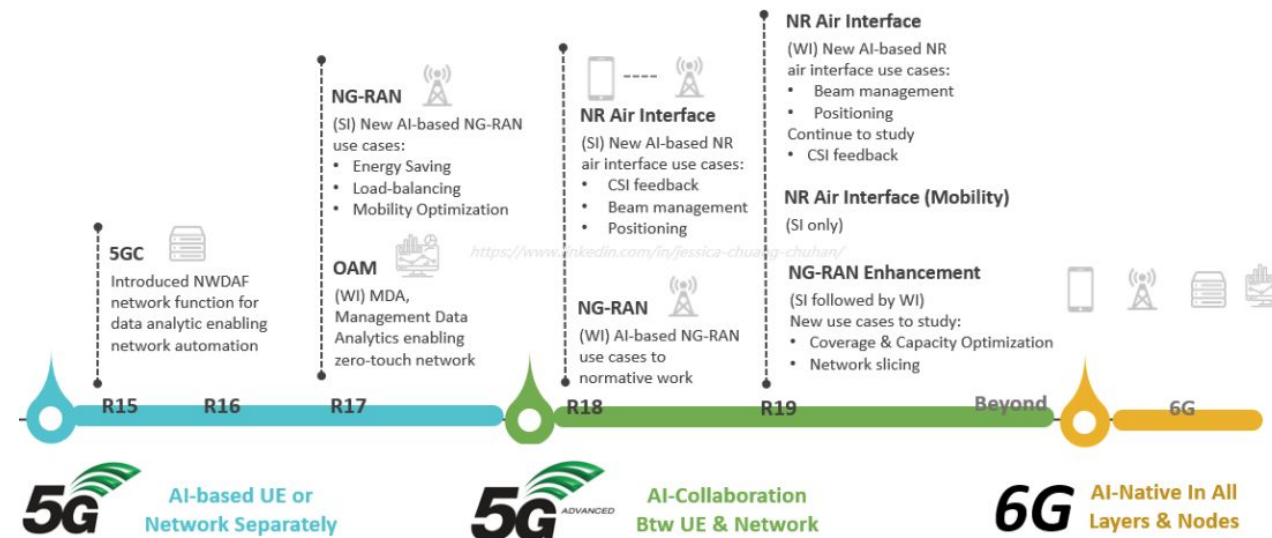
2. UE data collection

3. Model transfer/delivery

4. Testability & interoperability

- Finalized: (a). testing framework & (b). Procedure for one-sided model
- Further study: various testing options for two-sided model

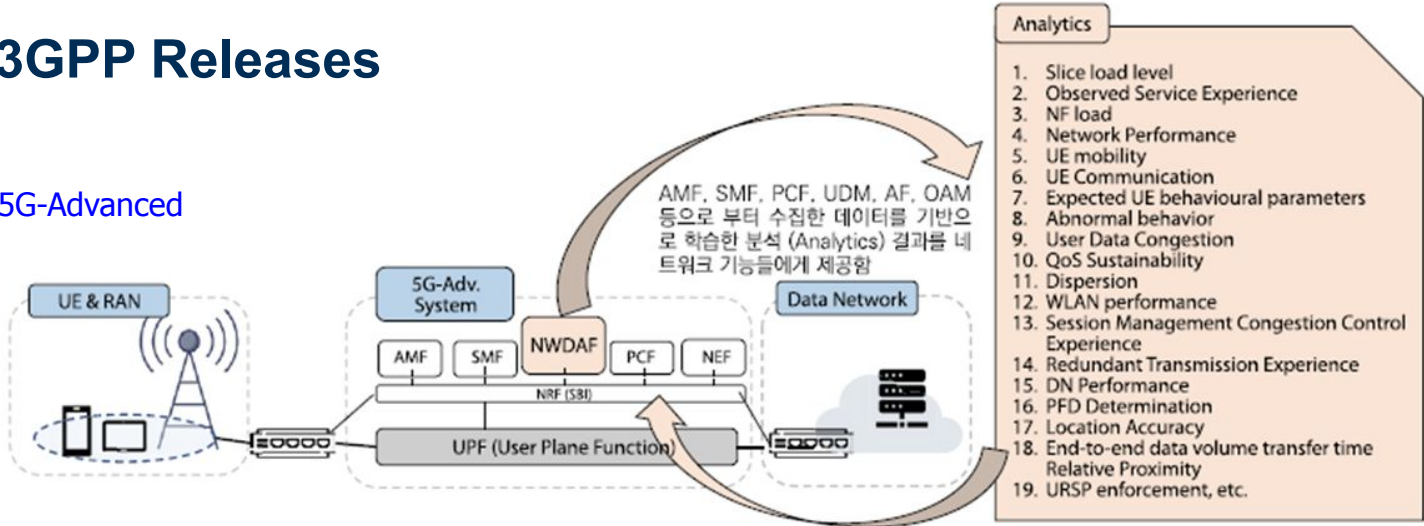
5GxAI Evolution in 3GPP



(Source: <https://www.linkedin.com/in/jessica-chuang-chuhan/>)

NWDAF Evolution across 3GPP Releases

NWDAF Function & Analytics in 5G-Advanced



MTLF: Model Training Logical Fn.
AnLF: Analytics LF

1 Monitoring

NWDAF monitors 1000's of network slices by calculating KPIs for performance, QoE etc.

4 Issue Resolved

Normal slice performance levels are restored and issue is resolved before subscribers are affected



2 Analysis

NWDAF detects a degradation in a specific slice, performs root cause analysis and generates a prediction how subscribers will be affected

3 Corrective Action

Analytics are transmitted to 3rd party NFs or OAM, which in turn change policy, rebalance traffic, or reassign resources to the network slice

	3GPP Rel.	NWDAF/MDAF Features	AI/ML Involvement	Key Focus
1	Rel. 15	Initial introduction of NWDAF as part of the 5G core network, enabling basic analytics.	None	Provided basic analytics for 5G core network functions.
2	Rel. 16	Enhancements to NWDAF to support broader data analytics and exposure across network functions, refined for product compliance.	None	Focused on refining data exposure, compliance, and automation through analytics
3	Rel. 17	Further maturation with Management Data Analytics Function (MDAF) introduced, AI/ML techniques integrated for Energy Saving, Load Balancing, and Mobility Optimization.	AI/ML for analytics & model training	Introduced MTLF and AnLF components with support for FL procedures across network functions.
4	Rel. 18	NWDAF used for AI/ML-based Air Interface Enhancements (e.g., CSI Feedback, Beam Management, Positioning Accuracy). New XR and Power-saving features introduced.	ML models for air-interface enhancements	Enabled accuracy monitoring via AnLF and supported MTLF-based ML model deployment
5	Rel. 19	- Advanced AI/ML techniques for Mobility, Localized Analytics, Distributed MIMO Systems, and AI-powered Positioning Accuracy. - Support for multi-RAT and NTN (non-terrestrial) intelligence.	Advanced analytics and distributed ML intelligence	Recommended dynamic function setup for automation and expanded support for TL-based procedures across NWDAF.
6	Rel. 20 (expected)	Expected support for real-time intent-driven models, proactive orchestration, and context-aware decision-making.	Deep RL / AI frameworks expected	- Full AI-native NW control - Autonomous orchestration and decision-making

Built-in AI/ML models provide automated closed-loop operations and assurance.

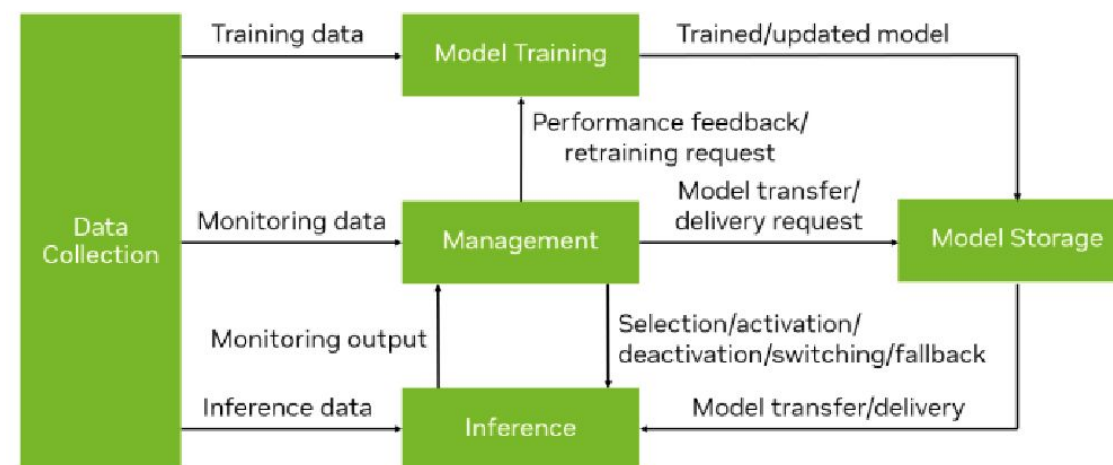
➤ Requirements & Performance Indexes for AI-Native in 6G

❑ Requirements of AI-Native for 6G

- ❑ Support OL & RT Application of AI/ML
- ❑ Comprehensive & Cooperative Support across all E2E & Radio/NW Sections
- ❑ Support Standardized I/F between various Layers (PHY ~ APP), Domains (UE, gNB, CN, OAM, etc.) & entire NF.
- ❑ LCM I/F for AI/ML Models, such as RL, FL, SL & TL, also support seamless Combination w. Standard Procedures of 6G system.

❑ Performance Indexes of AI-Native for 6G

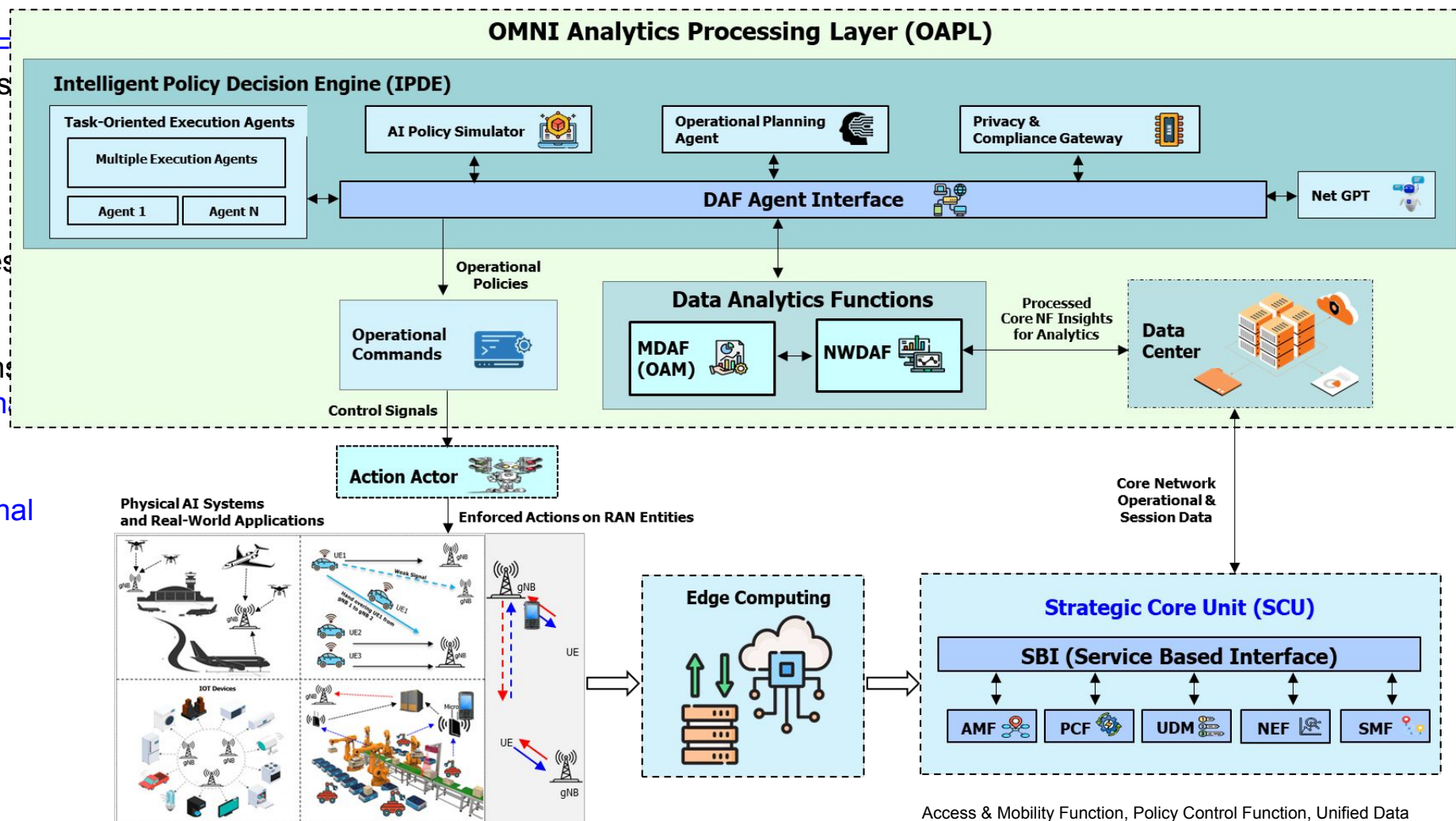
- **Performance**
 - Link and system level performances
 - Generalization performance
- **Over the air overhead**
 - Overhead of assistant information, data collection, model delivery/transfer, and other AI/ML related signaling
- **Inference complexity**
 - Computational complexity of model inference (e.g. FLOPs) and per/post processing, model complexity (e.g. Mbytes)
- **Training complexity**
 - LCM related complexity and storage overhead
- **Power consumption, Latency** (e.g. inference latency)



➤ AI Orchestrated Multi-Agent Network Intelligence (AI-OMNI)

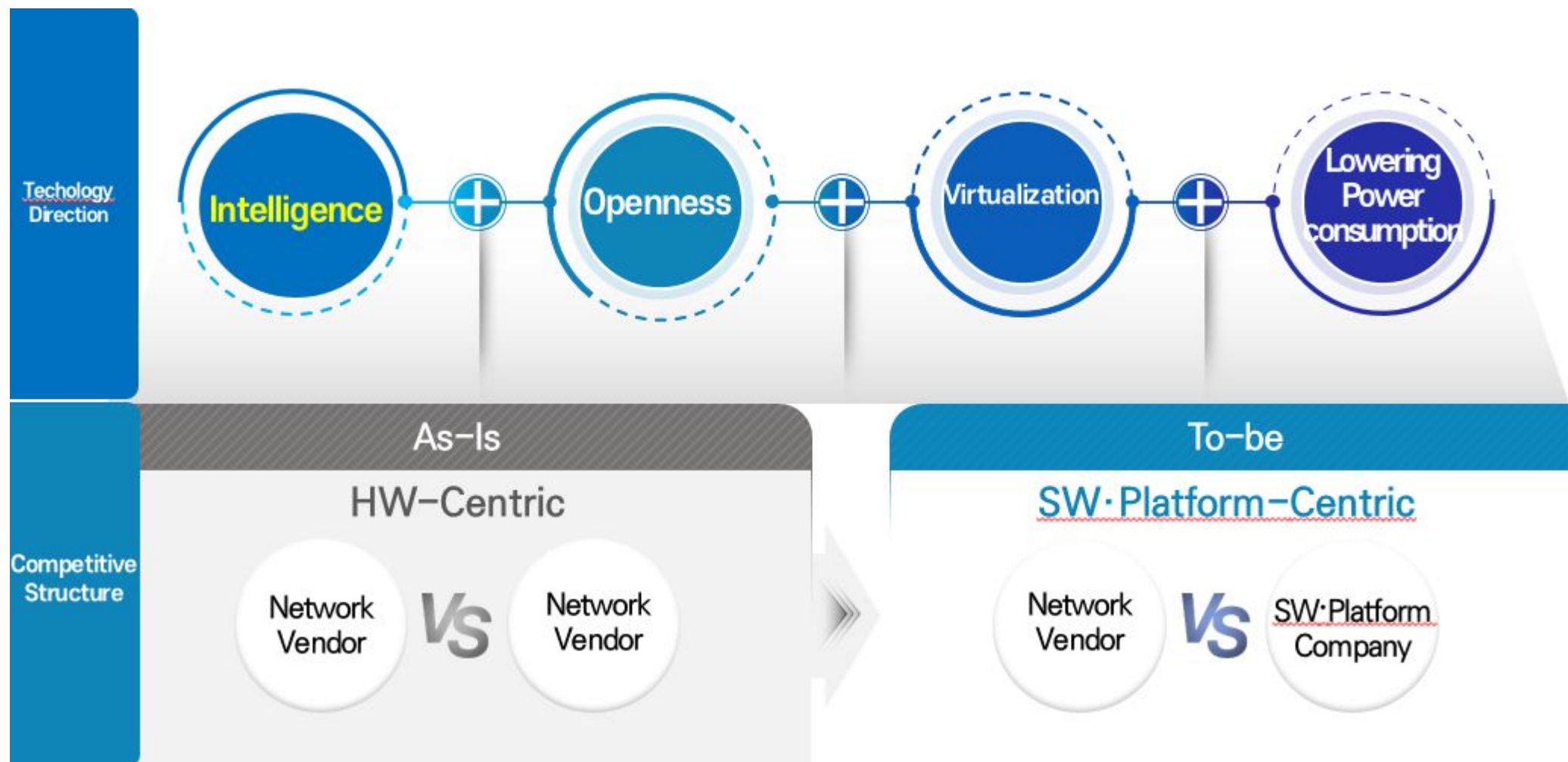
□ Agentic-AI Network Architecture Flow

1. Data Transmission between UE (Physical AI) & RAN
2. Edge Computing to process RAN Request / Preprocessing to SCU.
3. SCU w. NF transfers core network operational & session data to Data Center.
4. Data Center sends processed core NF insights for analytics to NWDAF
5. NWDAF combines Core data + OAM KPIs (RAN monitoring data) and produces analytics.
6. Analytics go to the DAF Interface.
7. DAF Interface aggregates analytics, performs policy simulations, and provides refined outputs to Execution Agents.
8. Execution Agents collaborate (mobility, energy, etc.), exchange candidate actions, resolve conflicts, and generate operational policies.
9. These operational policies are shared via the DAF Agent Interface to the Operational Command.
10. Action Actor enforces these commands on RAN entities.



Access & Mobility Function, Policy Control Function, Unified Data Management, Network Exposure Function, Session Management Function

Policy Directions for Next-G



The Leading Global Platform for 5G·6G Collaboration showcasing Korea's Strength & Partnership in Next-Generation Networks

Mobile Korea 2024

Total Attendants **762**

14 Countries

60 Organizations



Mobile Korea 2025

- **Main Programs**
 - **6G Global** (6th) - Sharing 6G visions and fostering global cooperation
 - **5G Vertical Summit** (12th) - Driving 5G adoption and expansion
 - **Regional Workshop** (9th) - Strengthening international cooperation
- **Side Events**
 - **Mobile Korea Demo Fest Session** - Showcasing 6G Tech. Readiness
 - **SatCom Forum Session** - 6G Satellite Strategy & Technologies
 - **Industry Exhibition** - Global T&M Vendors and Korean SMEs for products, solutions, and live

demos

- ▶ **Dates** October 27 (Mon) - 30 (Thu), 2025
- ▶ **Venue** 5F Convergence Hall & 6F Vision Hall , ISC Building, LG Science Park
(located at Moonbeom-dong, Gangseo-gu, Seoul)
- ▶ **Host** Ministry of Science and ICT
- ▶ **Organizer**
- ▶ **Sponsor**

Mobile Korea 2025 : Program Overview

Mobile Korea 2025 | Featured

* 60+ Speakers: National 6G Heads & Global Vendor CTOs



Colin Willcock
Chairman, 6G-IA



Zhiqin Wang
Chair, IMT-2030 (6G) Promotion Group



Akihiro Nakao
Co-Chairman, XGMF



David Koilpillai
Chairman, Bharat 6G Alliance



Richárd Szabados
President, 5G Coalition / State Secretary,
Ministry of National Economy, Hungary



Alex Jinsung Choi
Chair,
AI-RAN Alliance



Juho Lee
Fellow,
Samsung Electronics



Young Woo Yun
C&M Standard Lab.,
CTO Division, LG Electronics



Lorenzo Casaccia
Vice President, Technical Standard,
Qualcomm



Magnus Ewerbring
CTO, Asia-Pacific,
Ericsson



Wen Tong
CTO, Huawei



Alexander Pabst
Vice President Market Segment,
Wireless Communication,
Rohde & Schwarz GmbH & Co.



Ulrich Dropmann
Head of Standardization and
Industry Environment, Nokia



Sameh Yamany
CTO, VIAVI Solutions



Thomas Haustein
Head of Wireless Communications
and Networks, Fraunhofer HHI



Takehiro Nakamura
Chief Standardization Officer,
NTT DOCOMO



Sparsh Singhal
Senior Programme Manager,
NGMN Alliance



Suman Sehra
Board Member, 5GAA
/Global Vice President, Harman International



Youchul Kim
Head of Strategy
Unit,
LG AI Research



Sangchul Kang
Head Of Project & Platform
Group, NAVER LABS Corp

Mobile Korea 2025 Day-by-Day Session

Overview

Mon., Oct. 27)

Day 2 (Tue., Oct. 28)

Day 3 (Wed., Oct. 29)

Day 4 (Thu., Oct. 30)

6G Global 2025

Towards AI-Agentic Network

Keynote #1

Opening Ceremony

Industry Contribution Award
MoU Signing Ceremony
• Korea (6G Forum) – EU (6G-IA)
• Korea (6G Forum) – China (IMT-2030(6G) PG)

6G Global Collaboration among FORA

Aligning strategies across Europe, China,
Japan, and India toward 2030.

6G Vendors' Perspective

Leading vendors share visions and R&D
strategies.

Keynote #2

Network Operators' Perspective

Business values and technical priorities for
6G deployment.

Key Enablers : Industry, Research Institutes and Academia

Global R&D progress, challenges, and
collaborations.

5G Vertical Summit 2025

5G+X : Driving the Future to 6G

Keynote

AI-RAN

Transitioning from 5G-Advanced to
AI-native networks.

Hyper AI Network

Edge AI, monetization,
and open platform strategies.

Fireside Chat Session

Exclusive 1:1 conversation on foundation AI.

Physical AI

Robotics, mobility, and smart manufacturing
applications.

6G Global 2025 Special Session Mobile Korea Demo Fest

Keynote #3

Mobile Korea Demo Fest Session

Showcasing Korea's 6G Technology Readiness
and Demonstrations

9th Regional Workshop

*Regional Partnerships Driving AI-Empowered
Networks*

AI-empowered 5G-Advanced

Technology evolution and key industry use
cases.

Progress in Global 5G/5G-Advanced

Strategies and advances in 5G/5G-A adoption

Panel Discussion

SatCom Forum Session

Opening Ceremony

6G Satellite Policy & Technology Strategy

Global policy directions and technology
initiatives.

Toward 6G Satellite Standards

International progress and challenges in 6G
standards.

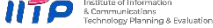
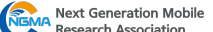
6G Satellite Strategy & Technologies

International progress and challenges in 6G
standards.

Mobile Korea 2026 will be held together with the **Pre-6G Vision Fest**, an international exhibition showcasing Korea's 6G R&D achievements.

Mobile Korea 2026

Mobile Korea 2026 Plan

- **Dates** December 8 (Tue.) - 11 (Fri.), 2026
- **Venue** Exhibition Hall 1 (1F) & Premier Ballroom (2F), Songdo Convensia (Located at Yeonsu-gu, Incheon)
- **Host**  Ministry of Science and ICT
- **Organizer**    
    ... and more

Program Outline

- **Sharing Korea's Interim 6G Achievements** with **Global Stakeholders**, and engaging **Major Countries** and **Key Players** in cooperation.
- Presenting an **Evolved Vertical Program** to explore **Monetization Opportunities** for **Next-Generation Networks with AI**.
- Providing **In-depth Exchanges** and **Networking** to strengthen **International Collaboration**.

Pre-6G Vision Fest

Pre-6G Exhibition & Demonstrations

- **Pavilions** showcasing Korea's **Pre-6G R&D Achievements**
- **33 Demonstrations** across **11 Strategic Technologies** in **4 Areas** of Wireless · Wired · Mobile Core · Systems
- **Highlights:**
 - **AI-powered RAN & Intelligent Antenna Systems**
 - **Cloud-native and AI-driven Mobile Core**
 - **Ultra-high-capacity (100 Gbps+) Optical Transmission**
 - **AI-native Frameworks for Future 6G Services**

Future Technology Exhibition

- **Showcases** by **Korean Operators**, **Major Corporations**, **ETRI**, and **Global Vendors**
- **Experience Booths** for **Future 6G Services** and **Innovative Tech Demonstrations** (e.g., Naver's "Brainless Robot")
- **Demos from global vendors, MNOs, and solution providers are welcome.**

Thank you !!

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