

The logo for the AI-RAN Alliance. The text "AI-RAN" is in a white, sans-serif font. Above the letter "A" is a stylized antenna icon. Above the letter "R" is a stylized antenna icon. Above the letter "N" is a stylized antenna icon. A small "TM" trademark symbol is positioned to the right of the "AI-RAN" text. Below "AI-RAN" is the word "ALLIANCE" in a white, sans-serif font.

AI-RAN<sup>TM</sup>  
ALLIANCE

**Launch Briefing**

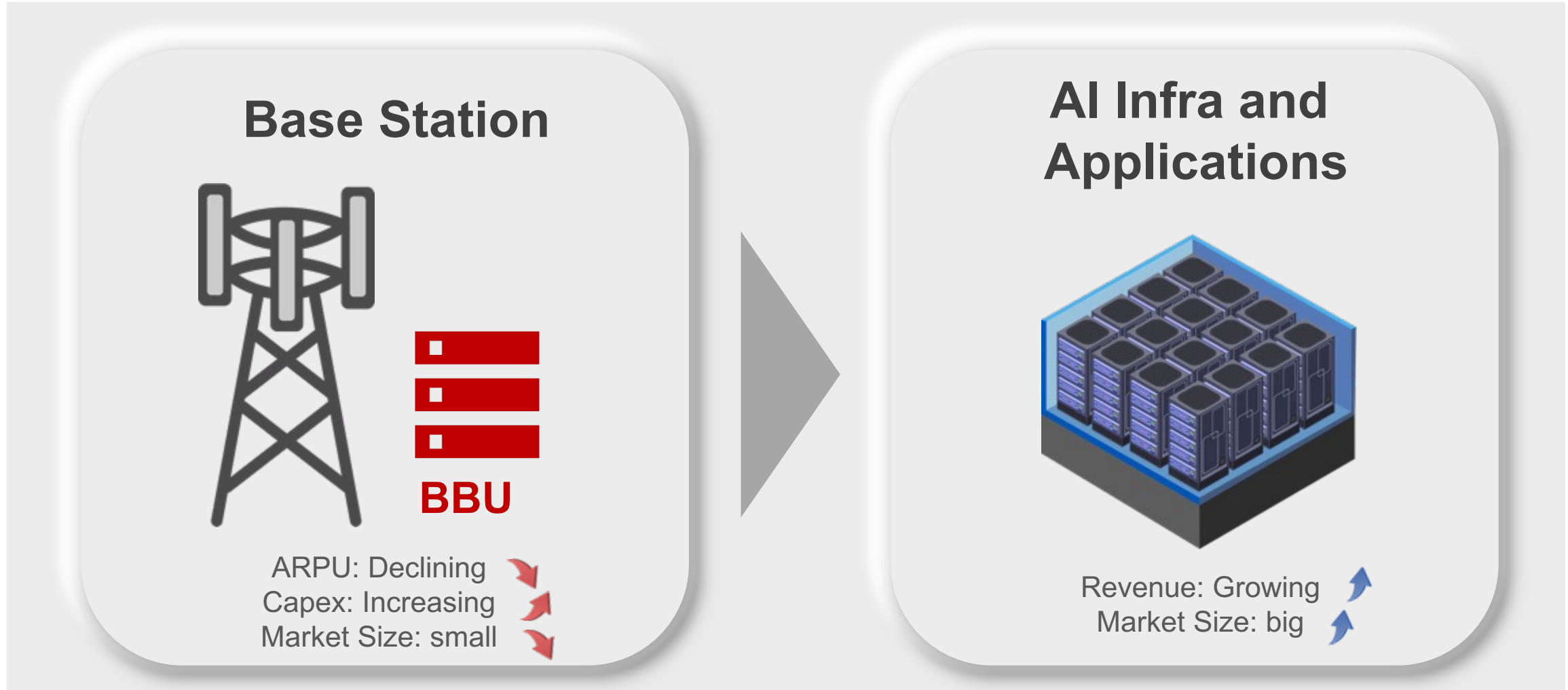
# Agenda

1. Announcing the AI-RAN Alliance
2. What is AI-RAN?



# Announcing the AI-RAN Alliance

# AI-RAN is about enabling Telco Business Transformation



# AI-RAN<sup>TM</sup> ALLIANCE

*Spectral Efficiency | Asset Utilization | New Applications*

- ✓ Enable & Accelerate AI-RAN
- ✓ Address new revenue opportunities
- ✓ Build the AI-RAN ecosystem

# Founding Members



# Alliance Activities



## Research

Conduct investigation on the utilization of AI for AI-RAN use cases



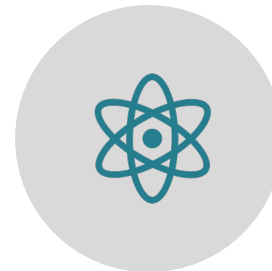
## Data

Share and accumulate data that are valuable for the R&D (e.g. MNO datasets, NW topologies)



## Explore

Explore and develop various use cases to solve the complex challenges of the telecom industry



## Testing & Verifications

Conduct simulations and verification testing at the AI-RAN Alliance Labs



## Publication

Publish blueprints, research papers, best current practice documents, guidelines, recommendations



## Advocacy & Liaison

Liaise with SDOs (3GPP, IETF, O-RAN Alliance, ETSI) and provide recommendations for standardization

# Key Focus Areas

## AI-and-RAN

AI and RAN sharing the same infrastructure



Asset Utilization

## AI-on-RAN

AI applications enabled by RAN



New Applications

## AI-for-RAN

AI for the enhancement of RAN



Spectral Efficiency



# What is AI-RAN?

# Key Focus Areas

## AI-and-RAN

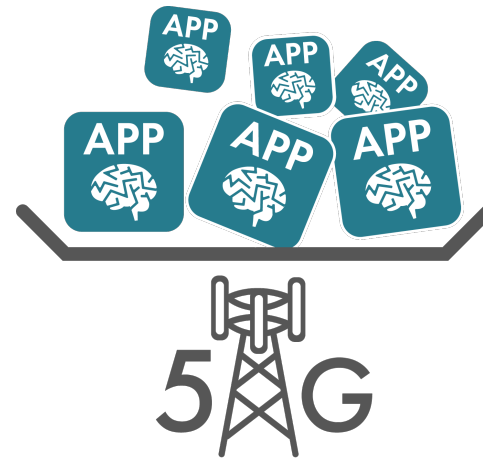
AI and RAN sharing the same infrastructure



Asset Utilization

## AI-on-RAN

AI applications enabled by RAN



New Applications

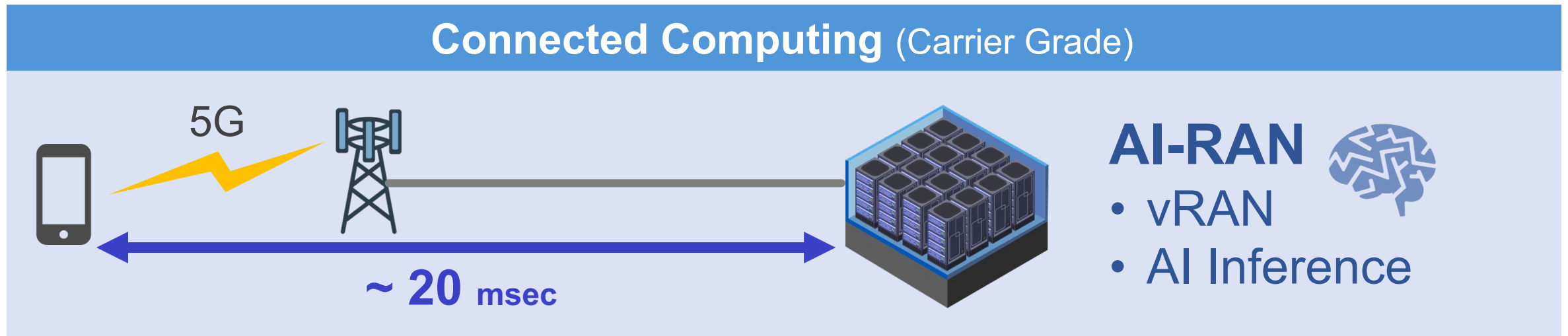
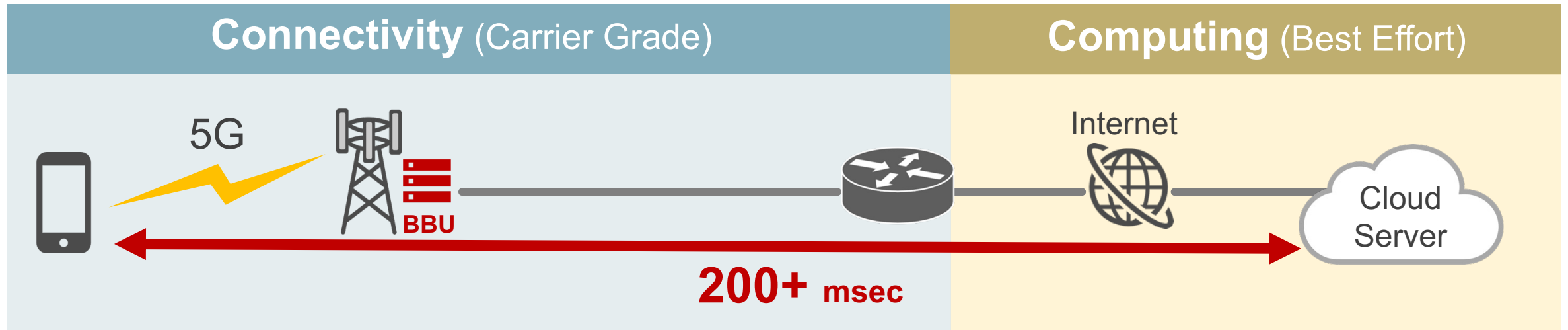
## AI-for-RAN

AI for the enhancement of RAN



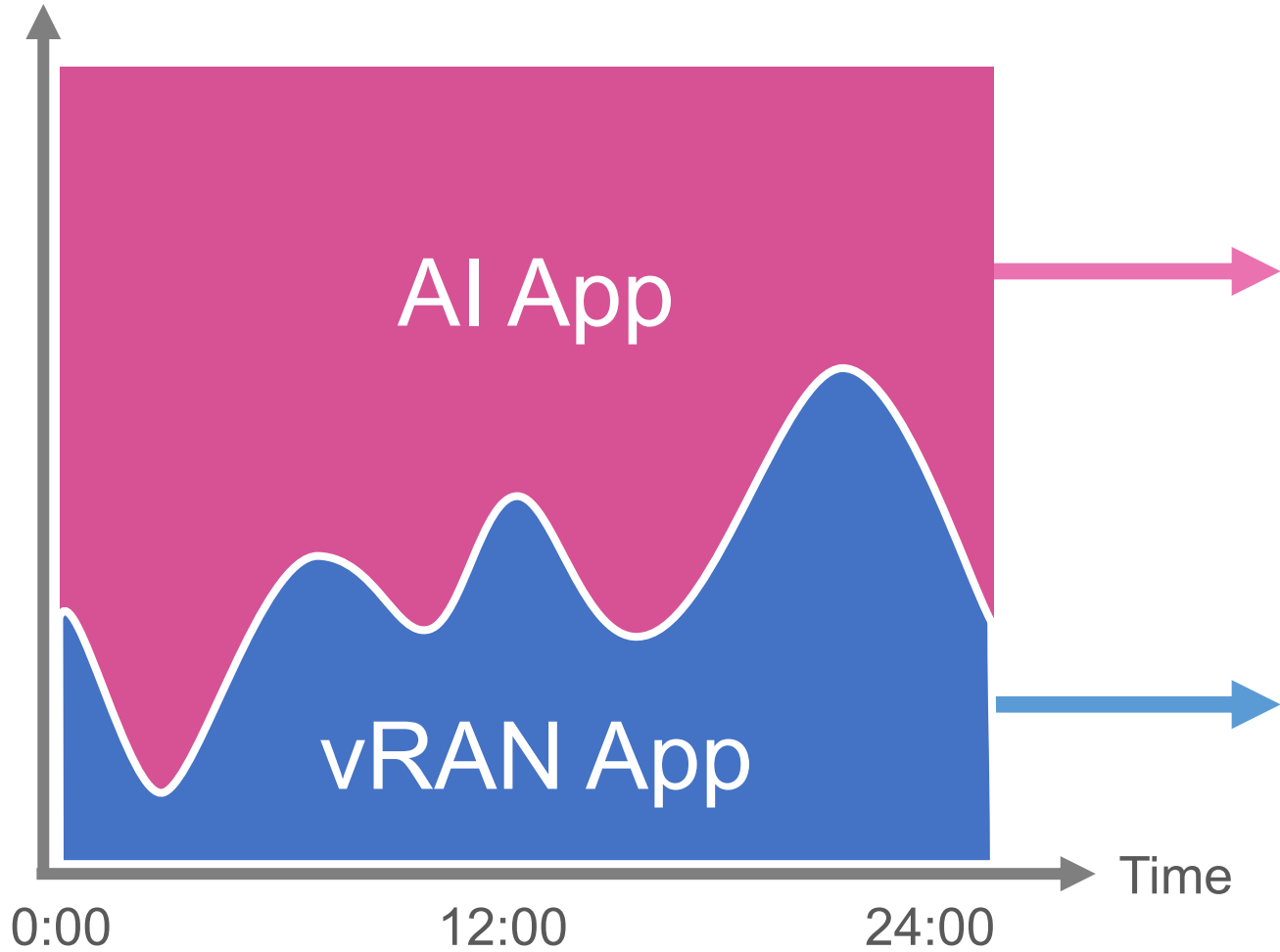
Spectral Efficiency

# Telco USP & Opportunity



# “AI-and-RAN” for Better Monetization

Data Center  
Computer Usage

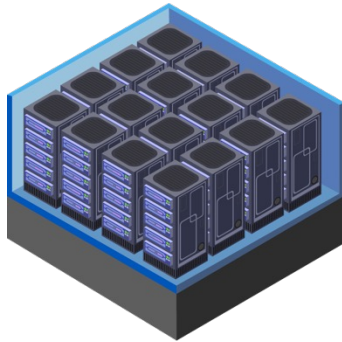


**Revenue**

**Cost**

# “AI-on-RAN”

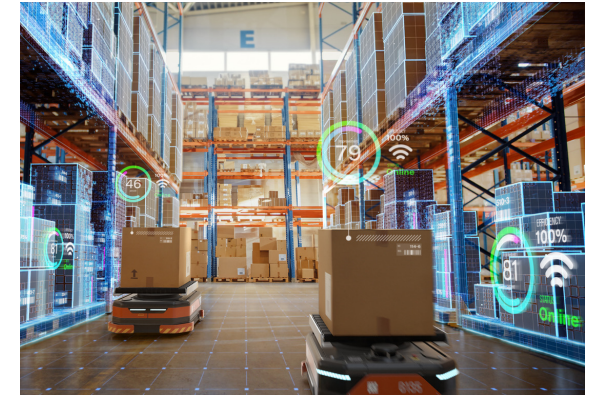
## AI Inference



- Low latency
- High bandwidth
- High security
- Distributed compute



Real-time interaction with robots



Autonomous Robot Decision-Making



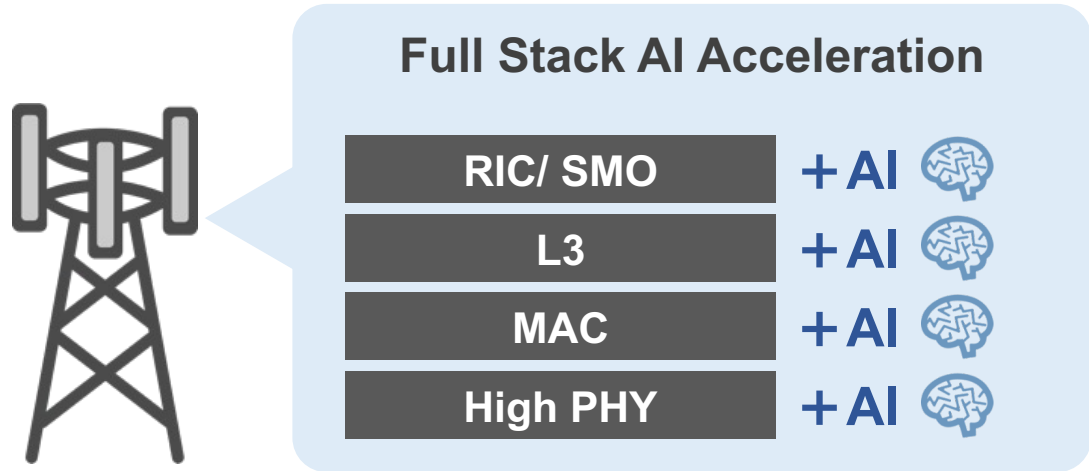
Surgery Assistance



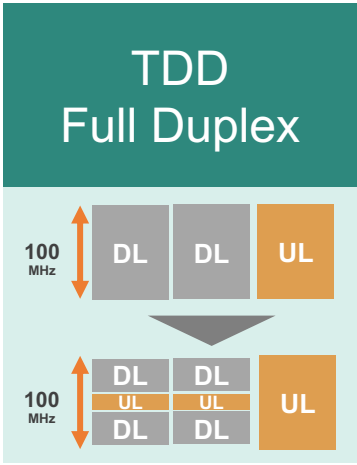
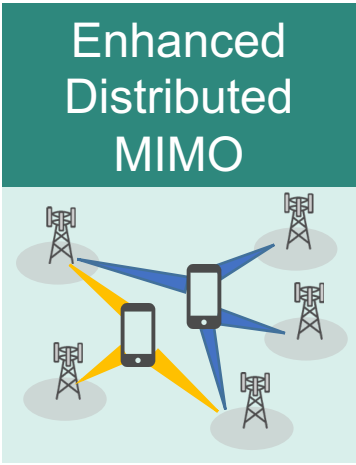
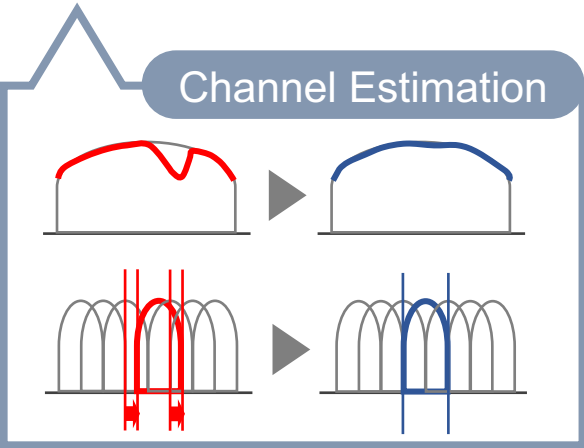
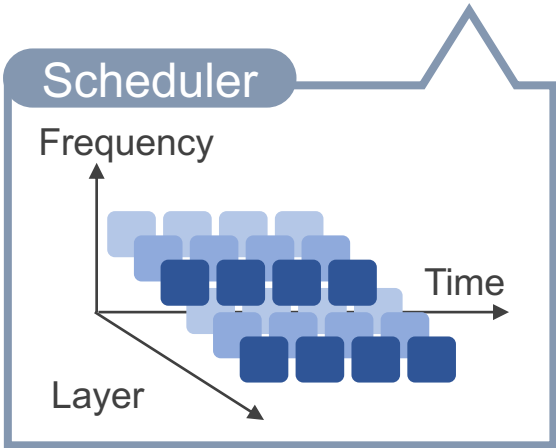
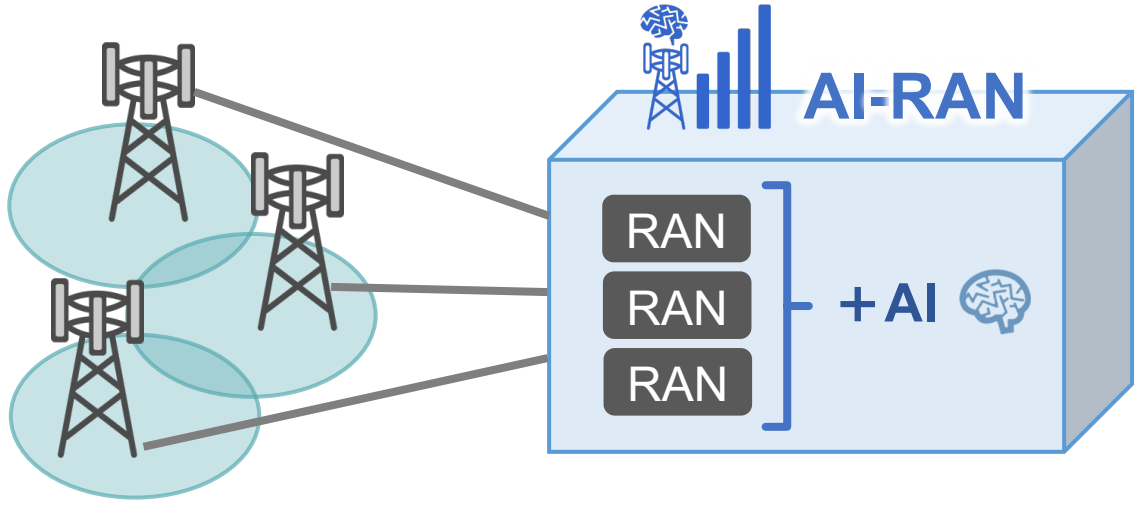
LLM RAG  
with confidential information

# “AI-for-RAN”

## Individual Cell



## Inter-Cell Coordination



# Redefine what networks can transform

Smarter connections to sustain human progress

AI-RAN<sup>TM</sup>  
ALLIANCE

Website

