



## **GTI Summit · Shanghai 2025 Briefing**

### **From 5G-A to 6G: Envisioning the New Digital Future**

On June 18, 2025, the GTI Summit with the theme of "Envisioning the Future, From 5G-A to 6G" was held in Shanghai, China. More than 200 global industrial partners from international organizations and leading enterprises such as GSMA, China Mobile, NTT DOCOMO, Orange, Telefonica, Saudi Telecom, Ericsson, Qualcomm, Huawei, Siemens and ZTE attended the summit.

#### **[Highlights]**

##### **✧ A Dozen of Industry Leaders Gathered at GTI: Unlocking the Code of Future Digital Intelligence**

Mr. He Biao (CEO of China Mobile), Mr. Vivek Badrinath (Director General of GSMA), Mr. Gao Tongqing (Chairman of GTI) and senior experts and executives from partners, including Peking University, Huawei, Qualcomm, ZTE, Ericsson, Leju, Honor, Siemens, and EHang, shared latest development trends and progress in global information technology field. They discussed how to lead technological development through scenarios and application innovation from 5G-A to 6G, and promote a new paradigm of deep integration between technological innovation and industrial innovation.



✧ **Global Debut of GTI Innovation Achievements: Igniting New Vitality for Mobile Intelligent Integration Development**

- 1) **Mobile Intelligence Integration Index Report:** Revealing the Truth of Global AI Divide
- 2) **5G-A Ignites the Three Types of New Intelligent Services:** Unleashing the Interconnection Potential of "Human-Vehicles-Device"
- 3) **Data Center in the Generative AI Era:** Operators Transforming into "Intelligent Service Platforms"
- 4) **World's First Embodied Intelligent Robot Supporting 5G-A Communication** Makes a Debut



## ✧ GTI & GSMA “New Calling × AI” Challenge Awards Ceremony: Witnessing How AI Technology Reconstructs Call Experience

The first challenge jointly released by GTI and GSMA concluded after 8 months, attracting over 100 submissions from more than 80 global enterprises and universities. These entries covered dozens of application scenarios, including intelligent customer service, cross-border translation, and digital human interaction. Through three rounds of competition—preliminary, semi-final, and final—20 standout projects emerged, fully demonstrating the immense potential of AI technology in revolutionizing call experiences.





## ◆ **Release of Innovative Achievements: Mobile Intelligence Integration Index Report**

To gain insights into the global collaborative development of mobile intelligence industry and measure its integration progress, GTI, in partnership with Omdia and China Mobile Intelligence, has researched and introduced the Mobile Intelligence Integration Index (MI<sup>3</sup> Index). This index serves as a reference for regulators, operators and industry stakeholders to promote integrated innovation in mobile intelligence.

The initial research features three key findings: First, leading markets such as East Asia, North America, and Western Europe hold significant advantages in mobile communications, AI computing, and integration, indicating that the mobile intelligence integration is gaining momentum in large-scale development. Second, disparities persist in global mobile intelligence integration, with the AI divide emerging as a new challenge alongside the existing digital divide. Third, the surge in AI inference demand is accelerating mobile intelligence integration, reinforcing the "Matthew Effect" where leading regions grow even stronger.

## ◆ **Release of Innovative Achievements: 5G-A Ignites the Three-Types of New Intelligent Services**

The white paper focuses on the "Three-Types" of information consumption—people, vehicles, and smart homes. It analyzes key scenarios and

processes, introduces the first-ever computational model aligning service demands with network capabilities, and releases the first intelligent service-network requirement index system. In the future, mobile communication technology will evolve towards "multi-agent collaboration", leveraging cooperative networks and converged architectures to enable cross-domain intelligent decision-making. By deepening the integration of communications and AI, the potential of "Human-Vehicles-Device" interconnectivity will be fully unlocked.

## ◆ Release of Innovative Achievements: Data Center in the Generative AI Era

As generative AI advances rapidly worldwide, data centers are transitioning into a dual-engine paradigm driven by training and inference, presenting telecom operators with a pivotal opportunity to evolve from “connection providers” into “intelligent service platforms”. The report examines the profound impact of generative AI on data centers, network infrastructure, and operator roles, offering strategic recommendations for global AI computing development.

## ◆ Release of Innovative Achievement: World's First Embodied Intelligent Robot Supporting 5G-A Communication

This groundbreaking Embodied Intelligent Robot Supporting 5G-A Communication achieves unprecedented performance in connectivity, computing force and data processing, enabling precise full-body coordination and dexterous



manipulation. Leveraging 5G-A's ultra-reliable low-latency connectivity, it supports continuous cloud-based model updates, enhancing adaptability across diverse scenarios—from industrial production to complex maintenance. This milestone lays the foundation for a 5G-A intelligent robotics ecosystem.



Scan to download GTI Reports