

The image features a dark blue background with a large, lighter blue circle on the left side. A white arc with tick marks is positioned along the right edge of this circle. In the top right corner, there are two horizontal orange bars of different lengths. The text 'GTI' is written in large, bold, white capital letters. To its right, the words 'GLOBAL', 'TECHNOLOGY ASSOCIATION OF', and 'INFOCOMM' are stacked vertically in smaller, white, all-caps sans-serif font.

**GTI** GLOBAL  
TECHNOLOGY ASSOCIATION OF  
INFOCOMM





“

ITU expects GTI 2.0 to leverage the valuable experience accumulated in its 1.0 phase and continue serving as an effective platform, integrating collaboration between the telecom and vertical industries to jointly drive innovation towards 5G.

**Zhao Houlin**  
Former Secretary-General, ITU



GTI is an effective and forward-thinking international platform for industry collaboration, and it has been serving as a vital bridge connecting all stakeholders in the industry.

**Mats Granryd**  
Former Director General, GSMA

”



“

Thanks to GTI's promotion, the 2.6GHz band now serves more users than other frequency bands. Powered by GTI-accelerated 5G network development, T-Mobile US has become America's fastest-growing Internet Service Provider (ISP).

**John Saw**  
Group CTO, T-Mobile US



We call for continued global collaboration through the GTI platform to fully unleash 5G's potential and innovation capabilities, further accelerating digital transformation across industries and creating greater value for society.

**Cristiano Amon**  
President & CEO, Qualcomm

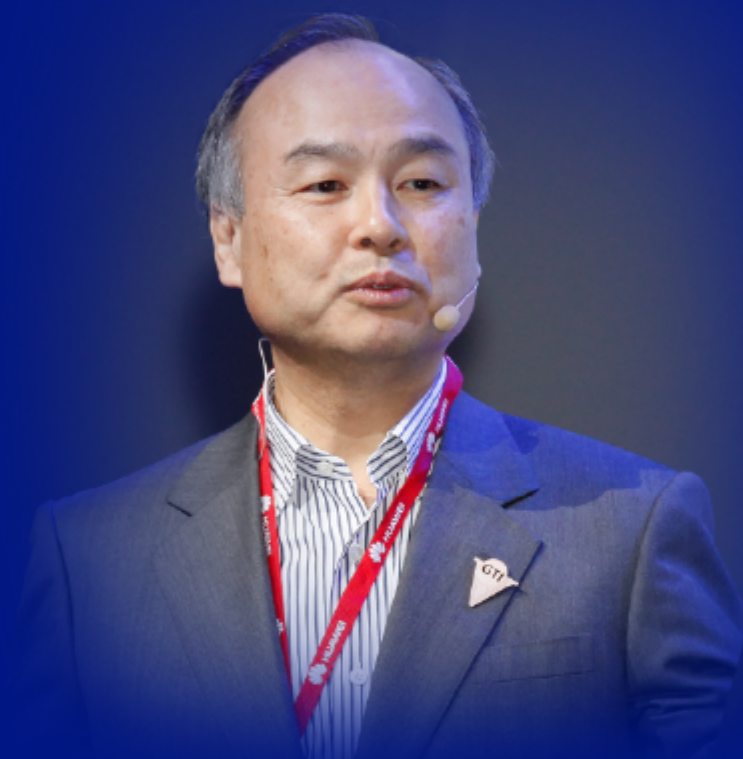
”



“

Since its inception in 2011, GTI has journeyed through an extraordinary decade, evolving into a globally influential industry platform. Through this platform, we jointly define international standards, drive connectivity, and foster a thriving digital-intelligent ecosystem.

**Yang Jie**  
Chairman, China Mobile



The launch of GTI 2.0 will not only promote Massive MIMO commercialization and improve systematic performance, but also facilitate the development of 5G as well as cross-industry integration and innovation.

**Masayoshi Son**  
Chairman & CEO, SoftBank Group

”



“

5G will bring about transformative changes, and it's critical to seize the opportunities in 5G development. By leveraging the GTI platform and continuously exploring differentiated advantages, we can build strong momentum for 5G business growth.

**Börje Ekholm**  
President and CEO, Ericsson



GTI has made significant contributions to the development of TD-LTE end-to-end industry global commercialization. We believe GTI will achieve its 2.0 mission, promoting the development of 5G industry convergence.

**Xu Zhijun**  
Deputy Chairman, Rotating Chairman, Huawei

”



“

GTI is an outstanding international cooperation platform that has made significant contributions to advancing the evolution of 4G and the development of 5G. In the future development of 5G+ AI, it is believed that GTI will continue to play a crucial role.

**Sunil Bharti Mittal**  
Founder and Chairman, Bharti Enterprises



Over the past 14 years since its inception, GTI has evolved from an organization initially focused on technical standards into a global platform, fostering "innovation, collaboration, industry, and ecosystem." It has achieved a leapfrog development from GTI 1.0 to GTI 3.0, playing an increasingly pivotal role and making growing contributions to the global information industry.

**He Biao**  
CEO, China Mobile

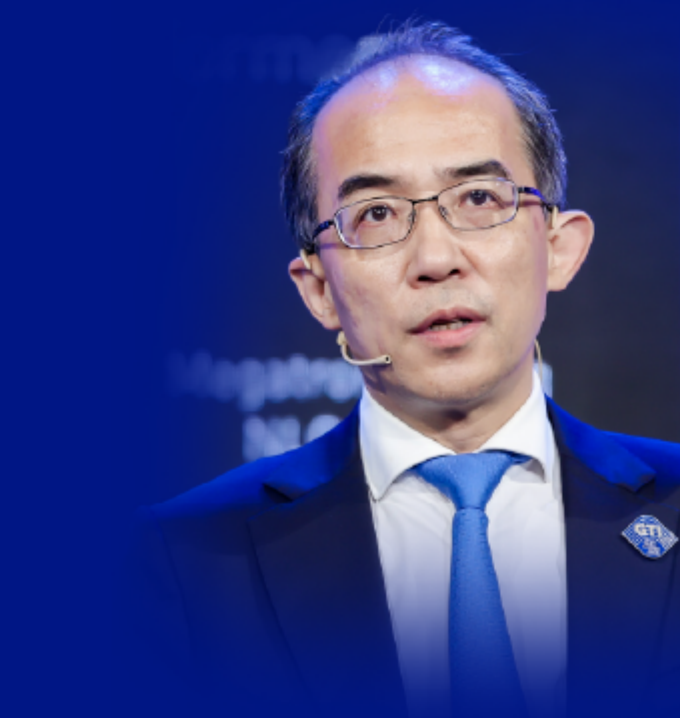
”



“

We must pioneer new approaches to empower "Industry X" type of new industrial revolution with 5G. And we hope that all industries can strengthen cooperation based on the GTI platform and jointly drive the development of society to a higher level.

**Rajeiv Suri**  
Former President & CEO, Nokia



In the 5G era, enabling digital and intelligent transformation across industries has become a global priority. Through the GTI platform, we will collaborate with ICT and industry partners to jointly shape a thriving digital economy.

**Xu Ziyang**  
Executive Director & CEO, ZTE

”



# Craig Ehrlich

## Chairman, GTI

- GTI has been collaborating closely with its over 400 industry partners, and has achieved remarkable progress in identifying demands, lowering application barriers, and expanding the scale of applications.
- GTI has always served as a vital platform for global industry collaboration, steadfastly supporting the Time Division Duplex (TDD) camp. By working closely with various sectors of the industry, GTI remains focused on promoting industrialization and commercialization, delivering tangible value to its members and the broader industry. Through years of collective efforts, GTI has driven the global commercial success of LTE TDD/FDD and entered the GTI 2.0 phase, continuing to advance 4G evolution, 5G development, and cross-industry collaboration.
- Our industry is like a jigsaw puzzle, composed of numerous pieces. GTI has always strived to embed its own piece into this puzzle. As I mentioned, our piece today is "5G+ Artificial Intelligence."



# Gao Tongqing

## Chairman, GTI

- Since its inception in 2011, GTI has been adhering to the principles of Openness, Collaboration, and Win-win. By bringing together over 400 global operators and industry partners, GTI has organized more than 100 global industry events and released over 100 white papers and research reports. These efforts have successfully driven large-scale commercialization of 4G and the rapid development of 5G worldwide, establishing GTI as one of the most influential international cooperation platforms in the global mobile communications field.
- With a clear new vision, GTI is embarking on a new journey of global collaboration in the digital-intelligent era. The connotation of GTI has evolved from the initial "Global TD-LTE Initiative" to "Global Technology Association of InfoComm". Through collaboration with industry, academia, and research stakeholders worldwide, GTI will continue to foster the deep integration of AI and ODICT to explore new value spaces in digital intelligence development.
- Looking ahead, GTI will leverage its three key roles—as a technological cooperation platform, an industrial cooperation platform, and a think-tank cooperation platform—to continuously unite global forces in digital and intelligent innovation. GTI will promote cross-regional, cross-domain, multi-level, and multi-form innovation partnerships, contributing even further to the advancement of global information and communication technologies and socio-economic progress.





Global Technology Association of InfoComm

Collaborate with stakeholders from industry, academia and research in global ICT field, promote interdisciplinary integrated innovation, technology-to-industry transformation and global unified standards, to provide an open, high-level, and high-value platform for collaboration in the global ICT ecosystem

Platform for Technological Cooperation

Gather global innovation resources in industry, academia and research, focus on 5G/5G-A, 6G, computing force network, AI and other key issues, and carry out technology cooperation in frontier trends and key breakthroughs

Platform for Industrial Cooperation

Gather global partners in infocomm and vertical industries, jointly promote technology industrialization and digital intelligence, and support global cooperation in technology, standard, product and business

Platform for Think-Tank Cooperation

Attract international organizations, consulting institutions, internationally renowned universities, top experts and scholars, conduct think-tank research, enhance connection between academia and industry, advance integration of technology and application, as well as promote cooperation in global development and governance

GTI 1.0

2011-2015

Objective

- Construct a robust ecosystem of TD-LTE
- Speed up the commercialization of TD-LTE
- Promote the converged development of LTE TDD and FDD

In 4G era, promote TD-LTE as a global mainstream technology, and achieve large-scale commercialization

GTI 2.0

2016-2022

Objective

- Further promote 4G evolution and expand global market
- Promote 5G development and cross-industry innovation

In 5G era, accelerate 5G end-to-end maturity and global 5G large-scale commercialization

GTI 3.0

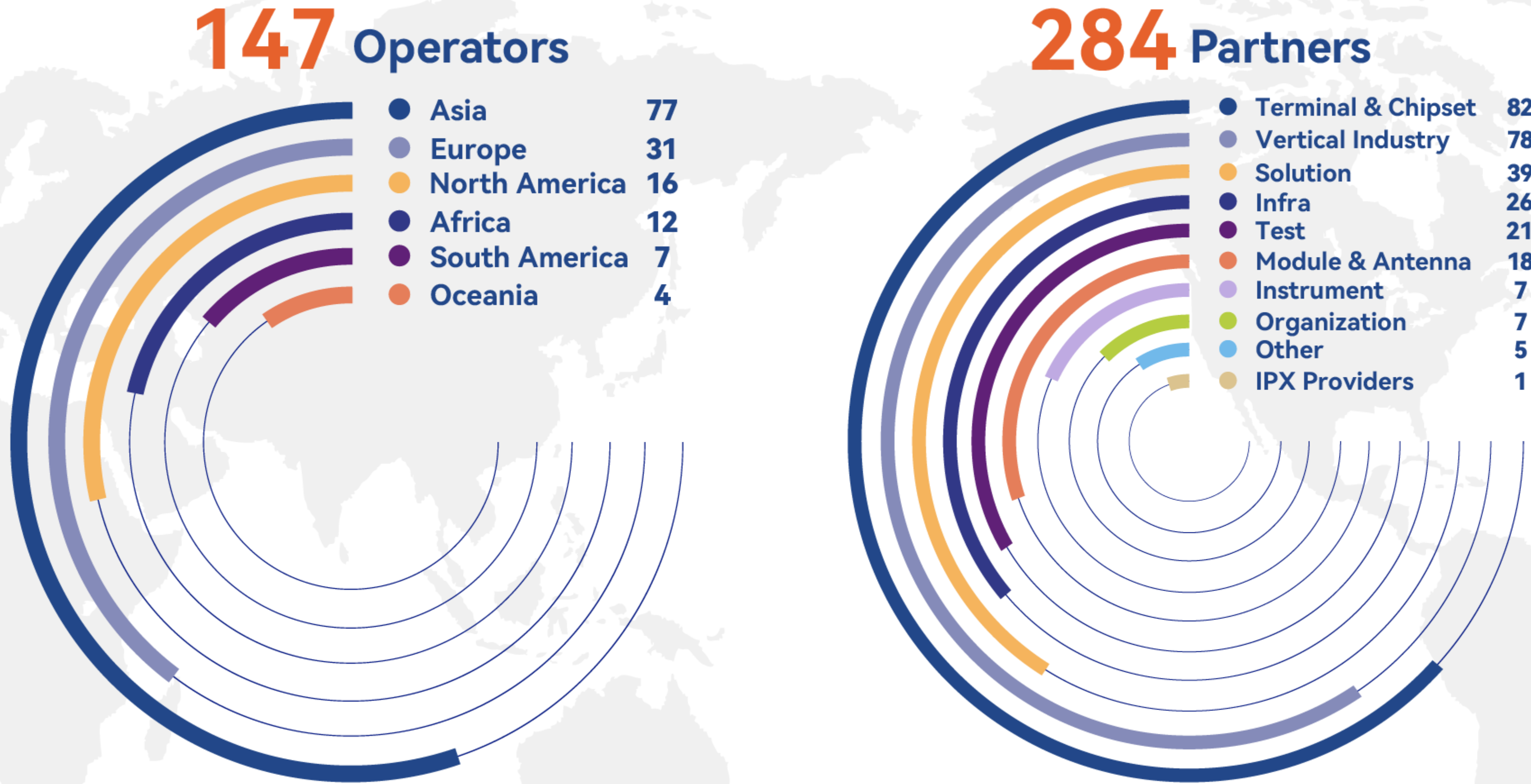
2023-Now

Objective

- Promote intelligent, efficient, and green 5G-A tech and products
- Foster integrated innovation between 5G-A/6G, AI and other technologies
- Empower digital and intelligent transformation of industries to create new value



Gather Global Resources, Build **Global “Circle of Friends”**



Break through Boundaries, Jointly Build a **Global Innovation Ecosystem**



With three programs and guided by requirements and objectives, GTI aims to focus on key industrial issues, meet the diverse needs of the industry, and comprehensively lead industrial development

1

**5G Technology and Product**

Focus on advancing 5G/5G-A new technology evolution and cross-domain integration, innovating and promoting 5G products, and explore potential spectrum resources and application scenarios, to promote global 5G end-to-end network development, technological innovation, maturity of services and products, and accelerate large-scale commercialization of 5G/5G-A technologies

**Promote Evolution of New 5G/5G-A Technologies**

- 5G-A Low-altitude Intelligent Network:** Promote innovated solutions and release white papers and prototype systems to accelerate industrialization
- Green 5G and Energy Saving:** Make breakthroughs in green 5G and network energy-saving technologies, improve network O&M efficiency, and enable flexible allocation of base station resources to improve 5G network energy efficiency
- Test Certification for End-to-end Intelligent Capabilities:** Conduct test and evaluation for intelligent capabilities of 5G-A network and devices, provide third-party evaluation and certification for mature AI capabilities and products of network and devices, as well as promote globally balanced development of AI to help upgrade the industry products

**Strengthen 5G Technology Innovation and Promotion**

- Network Products:** Promote low-cost base station products series aiming at different scenarios, to meet diversified coverage needs and improve network coverage efficiency while reducing network construction costs
- Device Products:** Promote new device products such as RedCap (lightweight 5G) products and immersive devices (glasses-free 3D, XR, etc.), to facilitate development and large-scale application of 5G/5G-A new services and products

**Accelerate 5G/5G-A Commercialization and Value Creation**

- Experience Sharing:** Facing current situation and needs of 5G development in different regions of the world, share 5G commercial experience and use cases, analyze development needs of 5G-A, and further promote balanced development of global mobile communication technology
- Trend Research:** Collaborate with GSMA and other international organizations to study the trend of 5G/5G-A technology development and deployment, and provide reference for GTI members and global partners in the process of 5G/5G-A development
- Value Exploring:** Share 5G/5G-A benchmark use cases (XR, Low-altitude Economy, etc.), explore business models, and promote scaled 5G/5G-A commercial use

Released 80+ White Papers

Recent Release >>>



2

5G Enterprise Network Solutions (5G ENS)

Focusing on key domains such as ambient IoT, 5G private networks, industrial intelligence, and industrial IoT, we conduct work in demand exploration, technological innovation, product R&D, value assessment, and application promotion. This accelerates the deep integration of ICT and OT, fully unleashes the commercial value of 5G, and drives the digital transformation and development of global vertical industries

Driving 5G-A Industry Technical Innovation with Scenario Demands

- **Ambient IoT:** Focus on cross-border logistics management, conduct research on global unified identification for ambient IoT, and promote the construction of an "item digital ID card" system
- **Deterministic Networking:** Formulate a development path for deterministic wireless technologies and build high-quality enterprise wireless networks
- **AI+ IoT Big Data Computing Force:** Integrate large model technology to provide operational capabilities for customers through business prediction

Conducting 5G Private Network Assessment and Application Expansion

- **Requirement Analysis:** Review of 5G private network projects and in-depth analysis of core needs for 5G private networks in various industries
- **Assessment Strategy:** Carry out research on value evaluation strategies for 5G private networks focusing on industrial scenarios, and build a user-centered value evaluation framework
- **Application Expansion:** Identify new scenarios and demands, and innovate end-to-end solutions centered on 5G and characterized by network-service integration

Deepening Global Industrial Cooperation and Joint Achievement Creation

- **Achievement Sharing:** Invite international industry organizations such as GSMA and 5G-ACIA, as well as vertical industry partners, to jointly discuss the development trends of industry digitization and intelligence, and co-host seminars to share achievements
- **Industrial Cooperation:** Launch global cooperation initiatives for the 5G private network value evaluation system and the unified identification system for ambient IoT, gather upstream and downstream industrial resources, and jointly promote the digital transformation of vertical industries

Released 60+ White Papers

Recent Release >>>



GTI 5G-A Ambient Power-enabled IoT Positioning Technology White Paper



GTI Advanced Sensing Technology White Paper



GTI 5G Native Deterministic Technology for New Industrialization White Paper



GTI Orchestration Framework for Secure Access Service Edge (SASE) White Paper



GTI Passive IoT Typical Scenarios White Paper



GTI Analysis of Post-Quantum Cryptography Migration in Telecommunication Networks White Paper



Scan to download

3

5G-A×AI Development

GTI has released the 5G-A×AI Development Program, aiming to build industry consensus, gather industry taskforce, and promote integrated innovation of 5G and AI, support digital intelligence in economy and society, and create new revenue space for industrial development



Scan to join us

Task 1: Build Open Labs

Provide basic environment, equipment facilities and other resources for 5G-A×AI integration innovation, and carry out joint research and technology test

Latest Progress >>>

Established 8 Open Labs

- GTI-China Mobile OpenLab (Beijing)
- GTI-Huawei OpenLab (Shanghai)
- GTI-ZTE OpenLab (Shanghai)
- GTI-Ericsson OpenLab (Stockholm)
- GTI-Intel OpenLab (Chandler (U.S.), New Mexico, Beijing, Taipei, Penang)
- GTI-Asix (Sinarmas) OpenLab (Jakarta)
- GTI-Universiti Malaya OpenLab (Kuala Lumpur)
- GTI-Qualcomm OpenLab

Task 2: Build an Open Collaborative Innovation Community

Establishing an open platform for knowledge sharing and supply & demand matching

Latest Progress >>>

Released 3 Challenges

- GTI-GSMA New Calling × AI  
Opened in October 2024  
Winners to be announced: June 2025
- GTI-GSMA Wireless Network Intelligence  
Opened in November 2024  
Winners to be announced: 2026
- GTI Secure Federated Learning (Research Topic Area Supported by GSMA)  
Opened in August 2025  
Winners to be announced: September 2025

Task 3: Explore Innovative Use Cases

Explore 5G-A×AI integration use cases and benchmark use cases, and condense them into replicable business model templates to provide commercial applications

Latest Progress >>>

Released 10+ White Papers and Industry Research Reports



5G-A×AI New Era, New Opportunities, New Value



5G-A×AI New Technology, New Case, New Model

... ..

GTI 5G-A×AI 100 Commercial Campaign

Accelerate deep integration and commercialization of 5G-A and AI technologies, ushering in a new era of digital intelligence and exceptional user experiences

Released 4 Tasks:

Engage 100+ Partners    Open 100+ APIs    Develop 100+ Lighthouse Projects  
Facilitate Deployment in 100+ Commercial Markets





Establish a GTI think tank system for governments and regulatory agencies, corporations, industries, and members, providing references for international cooperation and industrial development

Policy Recommendations

Collect, collate and report important information and intelligence around industry hotspots, strive for superior support, and provide references for governments, regulatory agencies and companies to formulate policies and solve problems

Industry Dynamics Bulletin

Track, collect and select global industry dynamics, sector hotspots, and key GTI advancements to provide first-hand information for GTI members and the industry

Insight Research Reports

Focusing on industrial hotspots, conduct in-depth analysis of industry trends, predict development trajectories, and tap into commercial value to provide references for international cooperation and industrial development

White Papers and Technical Reports

Release technical white papers on key challenges facing industrial development, providing new ideas, solutions and applications for industry advancement



5G in China-the Enterprise Story



Supportive Policies for a Sustainable Mobile Industry in the 5G Era



Unleashing New Value with New 5G Technology



5G-A x AI New Era New Opportunities, New Value



5G-A x AI New Technology, New Case, New Model



5G-A Ignites the Three-Types of New Intelligent Services



Data Center in the Generative AI Era



Mobile Intelligence Integration Index Report



Scan to download

The GTI Awards aims to recognize enterprises and individuals who have made outstanding contributions to the development of 5G/5G-A technologies and their integration with AI. By setting industry benchmarks and demonstrating exemplary effects, the awards seeks to promote global industrial innovation and cooperation

Innovative Breakthrough in Mobile Technology Award

Innovative Mobile Service and Application Award

Market Development & Business Value Award


5G-A x AI Integrated Innovation Award

Honorary Award

Recognition of partners who have made outstanding contributions to GTI work and 5G/5G-A technological innovation and industrial development








**Summits & Forums**

**High-end Grand Events with Eminent Guests**

As GTI's most influential industrial events, they bring together top leaders from governments, international organizations, operators, and industrial partners, as well as academic authorities, to discuss forward-looking thoughts, development trends, innovative technologies, and applications in the mobile information field



**Workshops**

**Specialized Technical Seminars**

Bringing together technical experts from operators, consulting agencies, and various industrial sectors, the workshops focus on discussing industrial development needs and key challenges, advanced technical solutions and excellent business applications, as well as scalable business models



**Awards**

**Unveiling of GTI Awards**


As a key annual event of GTI, it honors members who have made outstanding contributions, set industry benchmarks, and demonstrated exemplary effects



**Roadshows**

**Diverse Achievement Promotion**

Promote advanced industrial technical solutions and excellent product achievements to facilitate international exchanges and cooperation



**Joint Events**

**Powerful Brand Collaboration for Mutual Promotion**

Collaborate with large-scale domestic and international events to enhance international and regional coordination and boost influence

2025	2026				
Sep.	Nov.	Mar.	Jun.	Jul.	Sep.
<p>The 2nd GTI Forum on Digital Intelligence · Hong Kong</p> <p>Date: September 9-10</p> <p>43rd GTI Workshop</p> <p>Date: September 10</p> <p>GTI Member Communication Activity</p> <p>(SC &amp; AC Roundtable)</p> <p>Date: September 9</p> <p>Hong Kong · China</p>	<p>44th GTI Workshop</p> <p>TBD</p>	<p>GTI Summit</p> <p>(at MWC Barcelona 2026)</p> <p>45th GTI Workshop</p> <p>Barcelona · Spain</p> <p>GTI Member Communication Activity</p> <p>(SC &amp; AC Roundtable, GTI Awards)</p>	<p>GTI Summit</p> <p>(at MWC Shanghai 2026)</p> <p>46th GTI Workshop</p> <p>Shanghai · China</p>	<p>GTI Forum</p> <p>(at 2026 ITU AI For Good Global Summit)</p> <p>Geneva · Switzerland</p>	<p>The 3rd GTI Forum on Digital Intelligence · Hong Kong</p> <p>GTI Member Communication Activity</p> <p>(SC &amp; AC Roundtable)</p> <p>Hong Kong · China</p>



## Key Moments

11

2011

Kick-off of GTI

- Kick-off of GTI by China Mobile, SoftBank, Vodafone, Bharti Airtel, Sprint (now T-Mobile US) and other operators to promote global TD-LTE large-scale deployment



2012

Promote Integration of TDD and FDD

- Release of world's first TDD/FDD Multimode chips to promote deep integration of TDD and FDD technologies, accelerating industrialization of integrated devices



2013

Accelerate 4G Maturity

- Release of world's first MMB smart phone to enrich the variety of 4G terminal products, and stimulate the growth of 4G users, accelerating the maturity and large-scale deployment of 4G



2014

Enhance Global Influence of TD-LTE

- World's first TD-LTE VoLTE phone call was made to enrich business applications, enhance user experience, and promote TD-LTE development, enhancing the global influence of TD-LTE technology



2015

Accelerate Global Large-Scale Commercialization of 4G

- Release of 5-Mode Low-cost Device Solutions and Native RCS Devices to promote scaled development of terminal industry, accelerating global large-scale commercialization of 4G



## Key Moments

12

2016

Launch of GTI 2.0

- Launch of GTI 2.0 by China Mobile, Bharti Airtel, KT, SoftBank and Vodafone to promote 5G development and cross-industry innovation
- Release of HPUE on Band 41 to promote Massive MIMO commercialization and improve systematic performance



2018

Promote Cross-Industry Integration of 5G

- Release of GTI 5G S-Module Industrial Cooperation Plan to promote 5G maturity and large-scale development, facilitating deep integration and innovation of 5G with vertical industries
- Joint release of 5G in China-the Enterprise Story by GTI and GSMA to share insights on global cross-industry 5G integration practices, accelerating the development of 5G



2019

Promote 5G Maturity

- Release of the Debut of 5G 2.6GHz End-to-end Products to accelerate maturity of 2.6GHz industry chain, empowering 5G to unleash new momentum for economic and social development



2020

Accelerate 5G Integration Across Industries

- Release of GTI 5G Global Device Initiative to promote international roaming, foster maturity of multi-mode, multi-band and multi-form devices, and enrich 5G application scenarios, accelerating 5G integration across industries
- Release of Supportive Policies for a Sustainable Mobile Industry in the 5G Era by GTI and GSMA to scale up 5G policy best practices and advocate for innovative sustainable 5G policies



2021

Expedite 5G Industrial Advancement

- Unveil the joint "2.3GHz Band Industry Statement" to promote efficient use of TDD 2.3GHz spectrum and accelerate commercial launch by global operators





2023

Embark on GTI 3.0 New Journey

2024

Accelerate 5G-A×AI Integration

2025

Advance 5G-A×AI Development

- GTI 3.0 was launched to promote 5G-A tech and products, foster integrated innovation between 5G-A/6G, AI and other technologies, and empower digital and intelligent transformation of industries to create new value
- Release of Unleashing New Value with New 5G Technology by GTI and GSMA, to develop and strengthen the 5G industry, and stimulate 5G-enabled economic and social transformation

- Launch of GTI 5G-A×AI Development Program to promote the integrated innovation of 5G and AI in technology, business, ecology, and commerce, and two-way empowerment
- GTI and GSMA signed cooperation agreement on 5G-A×AI to jointly explore potential collaboration opportunities and drive innovative integration in 5G-A and AI
- Release of 5G-A×AI New Era, New Opportunities, New Value by GTI and China Mobile Intelligence to gather the industry's consensus regarding how to realize the full potential of 5G A<sup>2</sup>, and create a much broader value space for the industry

- Launch of GTI 5G-A×AI 100 Commercial Campaign by over 30 industry partners to accelerate deep integration and commercialization of 5G-A and AI
- Release of 6G Open Testbed with China Mobile, ZGC X-NET, CICT, vivo and other industry partners to facilitate the transition from scientific research to standardized technologies, and empower the growth of global 6G industry ecosystem
- Release of 5G-A×AI New Technology, New Case, New Model by GTI and China Mobile Intelligence to collaborate in building a new intelligent future for the 5G-A×AI era
- Release of Mobile Intelligence Integration Index Report by GTI, Omdia and China Mobile Intelligence to inform global regulators and industry players on fostering integration of mobile intelligence, accelerate AI-Network, and promote AI inclusiveness



# DEEPEN GLOBAL COLLABORATION FOR A DIGITAL AND INTELLIGENT FUTURE

# GTI



**GTI3.0**

