

GTI SUMMIT 2024 MONETIZING 5G^{AI}

27th February, 2024 | Barcelona, Spain



GTI Website



GTI WeChat
Official Account

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GTIgroup2011

GTI Summit

GTI 1.0

2011-2015

GTI 2.0

2016-2022

GTI 3.0

2023 - NOW

Objective

Construct a robust ecosystem of TD-LTE

Speed up the commercialization of TD-LTE

Promote the converged development of LTE TDD and FDD

Objective

Further promote 4G evolution and expand global market

Promote 5G development and cross-industry innovation

Objective

Promote intelligent, efficient, and green 5G-A tech and products

Foster integration of DICT to support next-gen digital infra

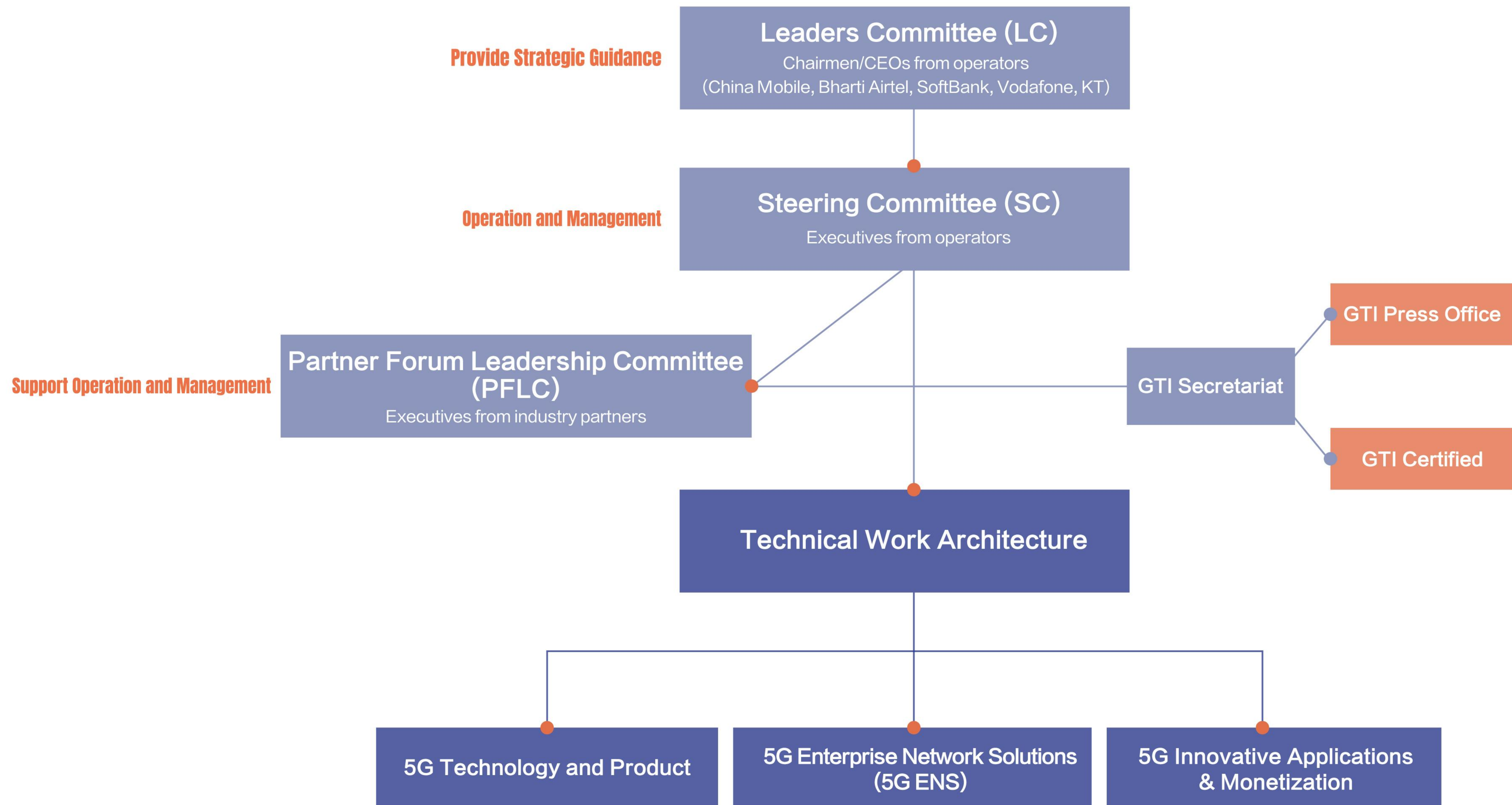
Enable 5G monetization and value creation

GTI Has Become One of The Most Important Platforms for Industrial Collaboration



Global Organizations





Steering Committee (SC)

GTI 3.0



Mr. Craig Ehrlich

Co-chairman, GTI



Mr. Gao Tongqing

Co-chairman, GTI
EVP, China Mobile



Dr. PS Tang

Managing Director
Arete M



Mr. Randeep Singh Sekhon

CTO for Airtel India
& South Asia
Bharti Airtel



Mr. Xu Da

5G Chief Strategy Officer
China Broadnet



Mr. Satoshi Konishi

Executive Vice President,
KDDI Research Inc.
Vice President, Technology
Planning, KDDI Corp.
KDDI



Mr. Jongsik Lee

SVP, Head of Infrastructure
DX R&D Center
KT



Dr. Chung Ng

SVP, Group CTO Office
PCCW-HKT



Mr. Mathew Oommen

President
Reliance Jio



Mr. Osamu Kamimura

Vice President and Head
of Spectrum Policy Office
SoftBank



Dr. John Saw

Group CTO
T-Mobile US



Mr. Luke Ibbetson

Director of Strategy
and R&D Organization
Vodafone



Mr. Wing K. Lee

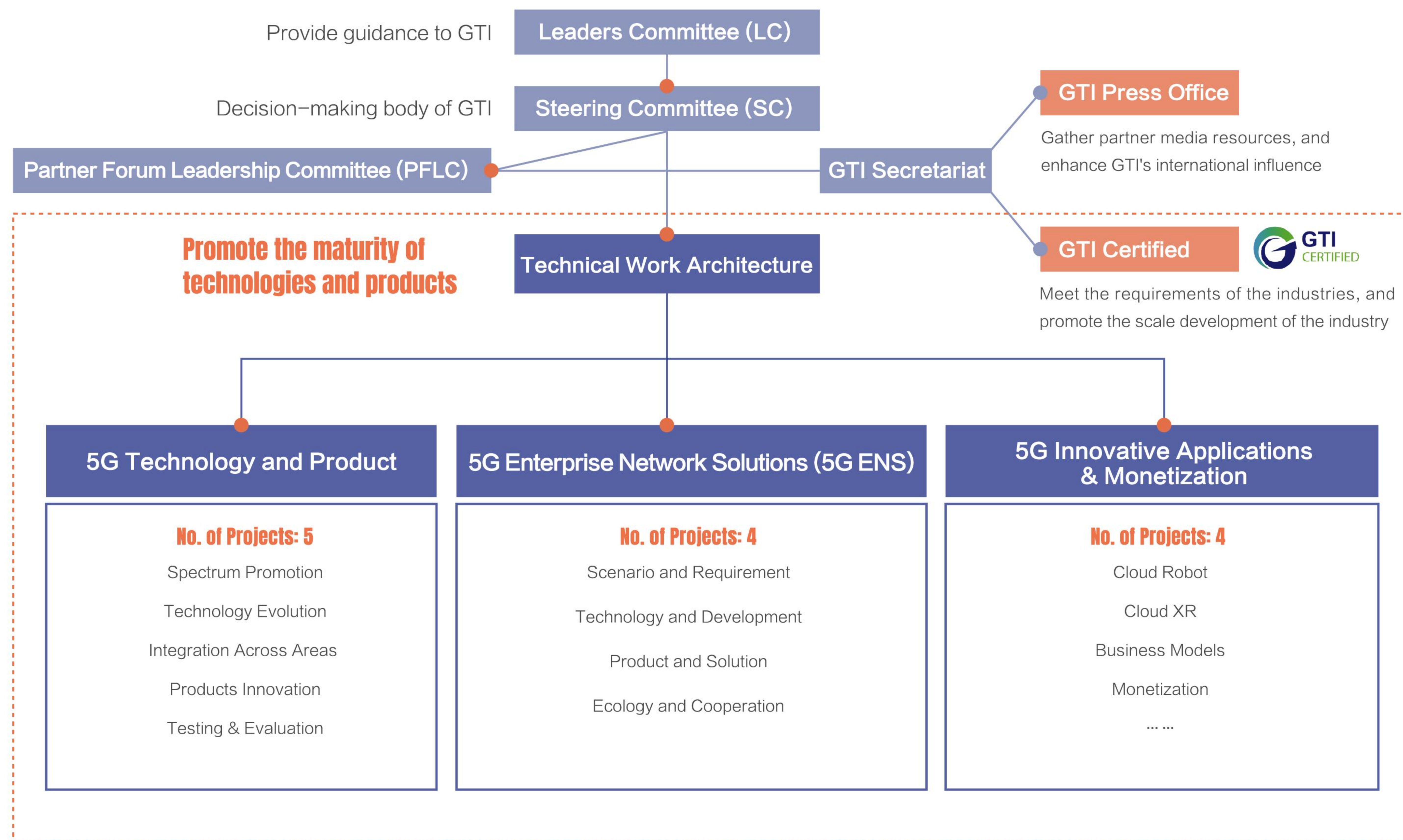
CEO
YTL Communications

(In Alphabetical Order)

Technical Architecture

GTI 3.0

Focus on 3 programs
90+ operators and partners, **370+** technical experts contributing to the technical work



Key Achievements

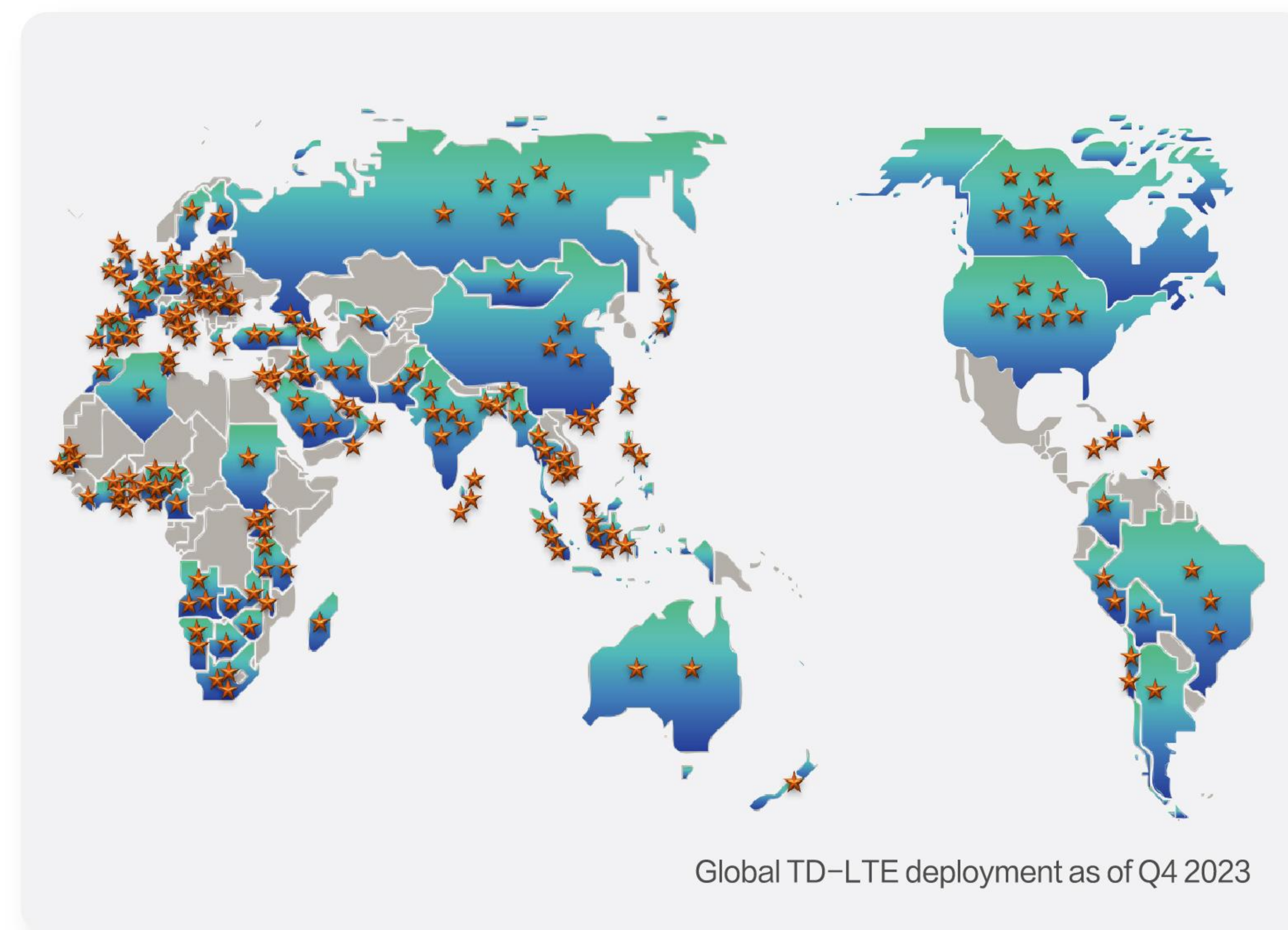
Promote TD-LTE as a global mainstream technology, achieve large-scale commercialization

Promote TD-LTE as one of global mainstream 4G technologies for the first time, build TD-LTE end-to-end ecosystem

Promote TD-LTE wide application, realize global large-scale commercialization



- **184** TD-LTE commercial networks in **86** countries were deployed, TD-LTE subscribers reached up to **2.77 billion**
- Promote TD-LTE in “Belt and Road Initiative” countries, **130** operators in **61** countries have deployed TD-LTE, among which over **40** operators are GTI members.



Key Achievements

Accelerate 5G end-to-end maturity and global large-scale development

Promote 5G mid-band as global prime spectrum


- Build **global mid-band 5G ecosystem**
- Promote **3.5GHz end-to-end maturity**

Accelerate global 5G large-scale commercialization


- Promote **debut** of 2.6GHz end-to-end industry to accelerate 2.6G/4.9GHz 5G development
- Promote **5G S-Module** and **5G global device** to accelerate maturity and large-scale development of end-to-end industry
- Build **5G+ cross-industry ecosystem** to promote 5G innovative application



- Joint release **150+** white papers and research reports
- Joint release **5G in China—the Enterprise Story, Supportive Policies for a Sustainable Mobile Industry in the 5G Era and Unleashing New Value with New 5G Technology**



- Promote **global debut** of 5G mid-band end-to-end prototypes and products
- Joint release **GTI 5G Global Device Initiative** with 27 operators and partners



GTI Device Certification

Support sound development of IoT and other industries

- **5** GTI Certified Test Labs
- **5** Test Specifications
- **27** certified chipsets, modules and devices

Key Achievements in 2023

GTI 3.0

5G



GTI XR Network
Technology
White Paper_v1.0

This white paper aims to explore the key capabilities of 5G networks, devices and services to satisfy the large bandwidth and low latency requirements simultaneously for XR to achieve a new immersive service experience.



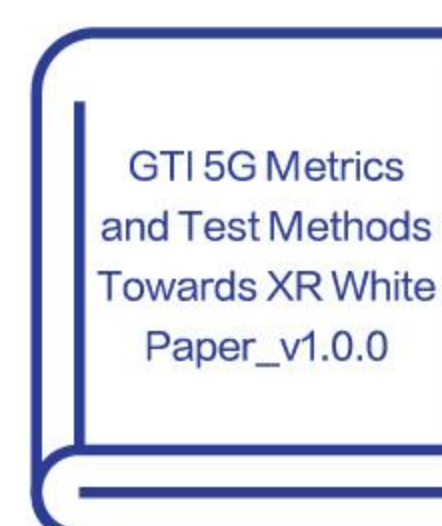
GTI Technical
Specification of 5G
RedCap Lightweight
Universal
Modules_v1.0

This white paper focuses on the medium speed Internet of Things field, with the R17 stage RedCap technology as the core, defines the technical requirements of 5G lightweight universal module from aspects such as communication capability, hardware packaging, electrical interface, etc.



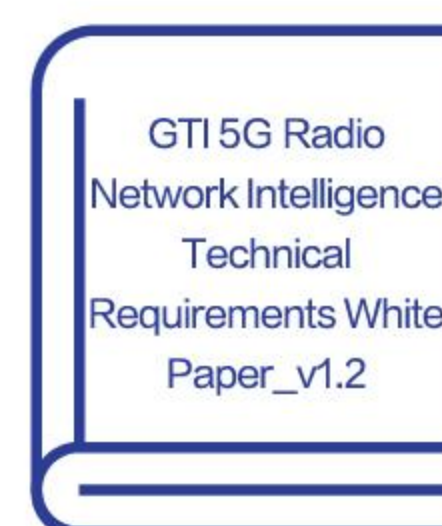
GTI 5G Femto
Technical
Requirements
White Paper_v1.2

This white paper delves into the development process of Femto cell, provides an overview of the industry's current state, analyzes the demand for key application scenarios, outlines the technical requirements for 5G Femto, and showcases typical demonstration applications.



GTI 5G Metrics
and Test Methods
Towards XR White
Paper_v1.0.0

This white paper aims to promote the formation of service quality evaluation metrics for XR service in the industry, define metrics of 5G performance, form a statistical method for the metrics of 5G performance, and explore requirements of equipment capability and test methods for typical XR service.



GTI 5G Radio
Network Intelligence
Technical
Requirements White
Paper_v1.2

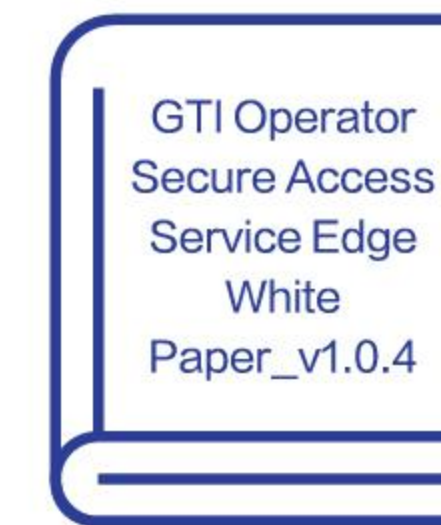
The white paper aims to make suggestions, form consensus on the basic capabilities that radio network elements should have, and drive the industry from the aspects of demand scenarios, technical capability requirements, and architecture evolution.



GTI 5G New
Calling Open
Ecosystem
White Paper

This white paper introduces the 5G New Calling open ecosystem from multiple dimensions such as the value chain, technical framework, practice cases, standardization progress, and industrial cooperation, etc. It is hoped that this white paper will help all the industry partners to jointly promote the construction of the 5G New Calling open ecosystem.

5G ENS



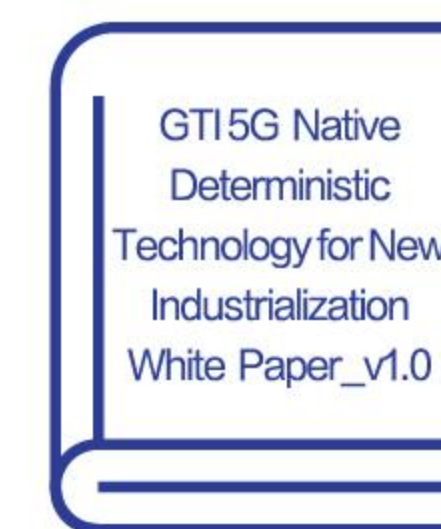
GTI Operator
Secure Access
Service Edge
White
Paper_v1.0.4

This white paper mainly introduces the background, definitions and requirements of SASE, analyzes the benefits and advantages of establishing a SASE framework for operators, details the key capabilities, functional frameworks, and deployment architectures required by operators and discusses the technical challenges, ecological cooperation and scenario expansion of SASE framework.



GTI Requirements
and Typical Industry
Applications of
Passive IoT White
Paper

This white paper explores the extensive applications and potential benefits of IoT technology in various sectors, and delves into how Passive IoT technology enhances efficiency, reduces operational costs, and bolsters management and monitoring capabilities in these domains, facilitating their transition to more intelligent and efficient systems.



GTI 5G Native
Deterministic
Technology for New
Industrialization
White Paper_v1.0

This white paper presents the deterministic demand for key application scenarios based on the comprehensive analysis of 5G enabled digital factory, proposes the core concept of "Native supply of deterministic capability, extreme service for deterministic performance global guarantee for deterministic reliability", as well as summarizes and forecasts the future evolution of 5G native deterministic technology and industry development.

Joint Report



Unleashing
New Value with
New 5G
Technology

This report dives into five megatrends in evolution from 5G to 6G, covers nine representative new technologies, and analyzes, in detail, 5G's new value as a new driving force for the in-depth and intelligent development of economy and society. It's hoped to build consensus on 5G technology innovation and value creation, develop and strengthen the 5G industry, and stimulate 5G-enabled economic and social transformation.



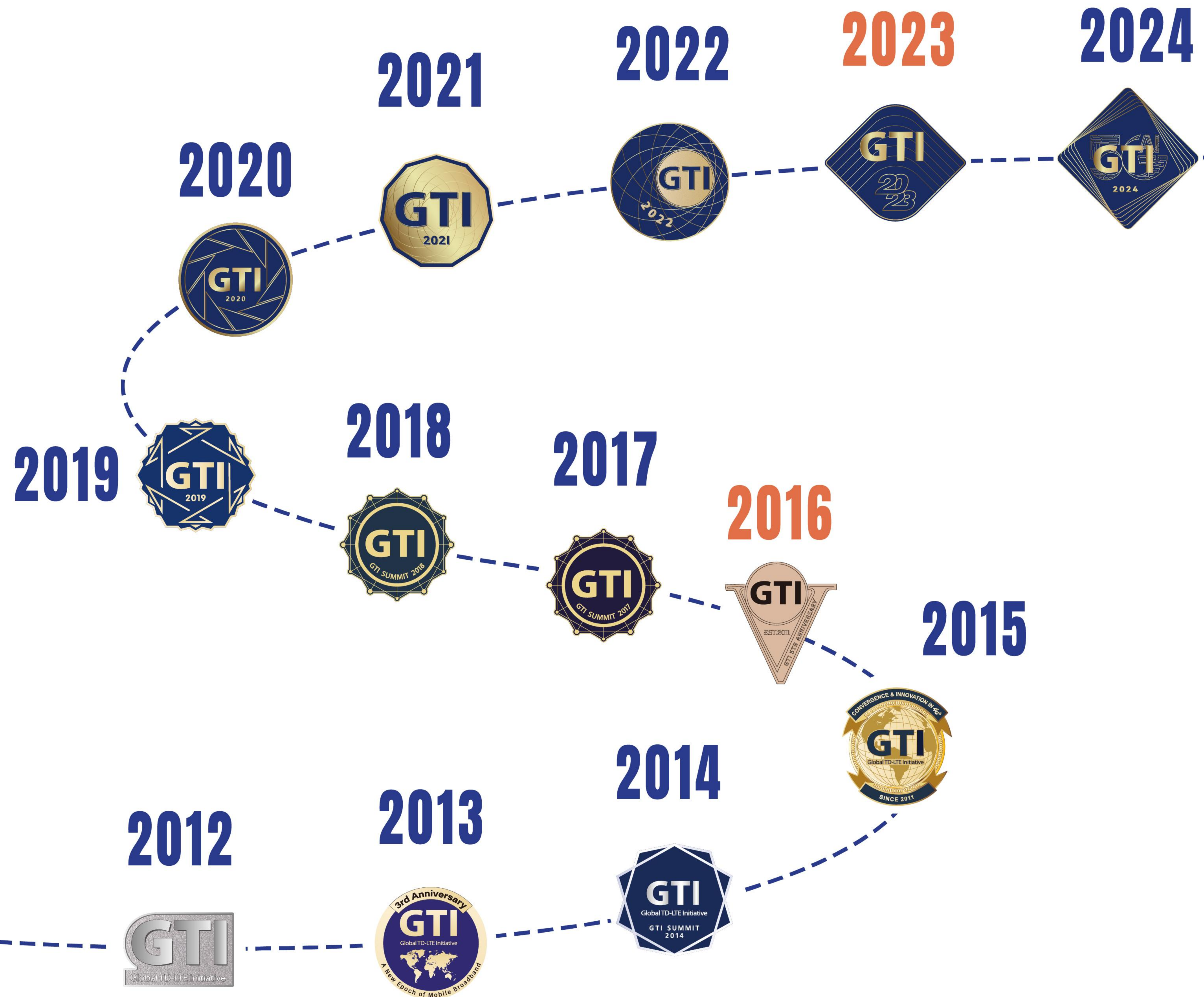
Scan for more GTI white papers

Event Plan in 2024

GTI 3.0



GTI



Kick-off of GTI by China Mobile, SoftBank, Vodafone and other operators



2011

Release of world's first MMB smart phone



2013

Release of world's first TDD/FDD Multimode chips



2012

World's first TD-LTE VoLTE phone call was made



2014

Release of 5-Mode Low Cost Device Solutions



Release of Native RCS Devices



2015

Launch of GTI 2.0 by China Mobile, Bharti Airtel, KT, SoftBank and Vodafone to promote 5G development and cross-industry innovation

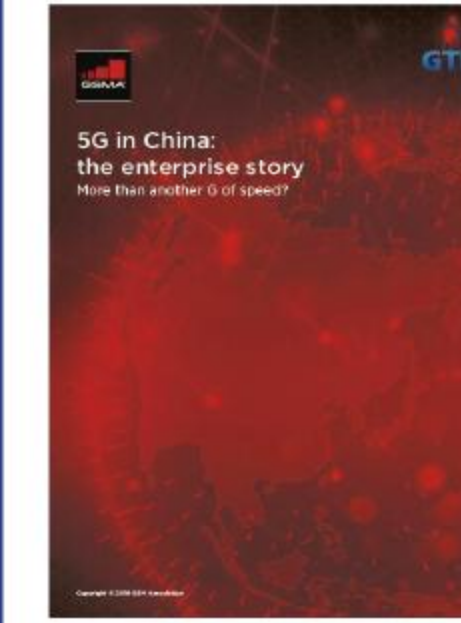


Release of HPUE on Band 41 to promote Massive MIMO commercialization and improve systematic performance



2016

Release of 5G in China—the Enterprise Story with GSMA



Release of GTI 5G S-Module Industrial Cooperation Plan to promote wide application of 5G devices and expand the scale of application



2018

Debut of 5G 2.6GHz End-to-end Products to accelerate maturity of 2.6GHz industry chain and promote 5G commercial process



2019

Release of Supportive Policies for a Sustainable Mobile Industry in the 5G Era with GSMA to promote sustainable mobile industry



Release of GTI 5G Global Device Initiative to promote maturity of multi-mode, multi-band and multi-form devices



2020

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



2021

Release of Unleashing New Value with New 5G Technology, to develop and strengthen the 5G industry, and stimulate 5G-enabled economic and social transformation



GTI 3.0 was launched to promote continued global cooperation, accelerate 5G-A tech and products, foster integration of DICT, and empower 5G monetization to create greater value



2023

More to come . . .
Let's make it together

KEY
MOMENTS

