



TECHNOLOGY INTELLIGENCE SERVICE

Mobile Infrastructure

Global, in-depth coverage of mobile equipment, software and services, including 2G, 3G, 4G, LTE, LTE-A, 5G, C-RAN, vRAN and SON

Clients of this service will receive:

Market trackers

Delivered in Excel and accompanied by written analysis in PDF:

- **Mobile Infrastructure Market Tracker** – Worldwide and regional market size, share, forecasts, analysis and trends for 2G, 3G, 4G, LTE, LTE-Advanced (LTE-A), 5G and network functions virtualization (NFV) mobile equipment and software
- **Mobile Infrastructure Market Tracker - Japan** – Forecasts, analysis and trends for Japan's mobile infrastructure market
- **Small Cell Equipment Market Tracker** – Forecasts, analysis and trends for service provider, enterprise, indoor and outdoor small cells

Market reports

Delivered in Excel and accompanied by written analysis in PDF:

- **C-RAN & vRAN Architecture Equipment Market Report** – Worldwide and regional market size, market share, forecasts, analysis and trends for centralized RAN (C-RAN) and virtual RAN (vRAN) baseband units and remote radio heads
- **Mobile Infrastructure Market Report - China** – Forecasts, analysis and trends for China's mobile infrastructure market
- **SON & Optimization Software Market Report** – Forecasts, analysis and trends for 3G/4G optimization and 3G and 4G self-organizing network (SON) software

Delivered in PPT:

- **5G Technology and Market Development Report** – Examines how 5G technology can evolve in terms of network architecture, topology, waveform and modulation schemes

Surveys

Delivered in PDF:

- **Evolution from 4G to 5G Service Provider Survey** – Assesses market trends and service provider 4G and 5G deployment plans, challenges and service offerings
- **Small Cell Strategies & Vendor Leadership Survey** – Assesses market trends and mobile operator small cell plans; includes operator ratings of small cell vendors

DELIVERABLES

- **Market trackers (3)**
Worldwide and regional market size and share information, historic and forecasted through 2022
- **Market reports (4)**
Detailed examination of market and technical trends
- **Surveys (2)**
In-depth interviews with operators and/or service providers about their plans, drivers, opinions of equipment vendors, etc.
- **Market insights**
Analyst commentary on market shifts, technology and regional developments, vendors, events and more
- **Briefings**
Quarterly scheduled briefings with analysts on research highlights from all aspects of the market
- **Analyst access**
For prompt responses to urgent and unique questions

Research coverage

Market trackers	Measures	Coverage
Mobile Infrastructure (quarterly)	Market share Revenue Units Licenses DSOs	>50 market segments by technology and generation 2G and 3G equipment <ul style="list-style-type: none"> - RAN: BTS, BSC, RRH - MSS: mobile softswitching, MSC - 3G packet core network: GPRS, PDSN - HLR LTE equipment <ul style="list-style-type: none"> - E-UTRAN: FDD, TDD - EPC 5G equipment (5G new radio and 5G NG core) Software (2.5G, 3G, LTE/LTE-A) Mobile core VNF (mobile core and EPC)
Mobile Infrastructure - Japan (semi-annual)	Market share Revenue Units	3G equipment <ul style="list-style-type: none"> - W-CDMA: UTRAN (NodeB, RRH), packet core (GGSN, SGSN) - CDMA2000: RAN (BTS), packet core (PDSN) 4G LTE equipment <ul style="list-style-type: none"> - E-UTRAN: FDD, TDD - EPC 5G equipment <ul style="list-style-type: none"> - 5G new radio - 5G NG core
Small Cell Equipment (semi-annual)	Market share Revenue Units ASP	Service provider small cells: urban, rural/remote Enterprise small cells Indoor versus outdoor small cells
Market reports	Measures	Coverage
Mobile Infrastructure - China (annual)	Market share Revenue Units	2G equipment (GSM: RAN) 3G equipment <ul style="list-style-type: none"> - CDMA2000: RAN, packet core - TD-SCDMA: RAN, packet core, RRH - W-CDMA: UTRAN, packet core, RRH 4G LTE equipment <ul style="list-style-type: none"> - E-UTRAN: FDD, TDD - EPC
C-RAN & vRAN Architecture Equipment (annual)	Market share Revenue Units	Centralized-RAN (C-RAN) <ul style="list-style-type: none"> - BBU - RRH Virtual RAN (vRAN)
SON & Optimization Software (annual)	Revenue	2G/3G optimization software SON by generation (3G, 4G) and by architecture (centralized, distributed)

Research coverage (continued)

Other deliverables	Details
Evolution from 4G to 5G Service Provider Survey (annual)	Interviews with knowledgeable purchase decision-makers at mobile operators worldwide about their LTE and 5G deployment plans, drivers, timeframes, technology plans, etc.
Small Cell Strategies & Vendor Leadership Survey (annual)	Interviews with knowledgeable purchase decision-makers at operators worldwide about their small cell strategies, deployment drivers and challenges, must-have features, technology plans and ratings of vendors
5G Technology and Market Development Market Report (annual)	Evaluates the potential avenues of evolution and development for 5G technologies, technical and deployment barriers, and impact on the telecom ecosystem

Regions	Sample companies (see abstracts for full lists)	
Worldwide	Cisco	Huawei
North America (US and Canada)	CommScope	NEC
Europe, the Middle East and Africa (EMEA)	SpiderCloud	Nokia
Asia Pacific (APAC), including Japan and Australia	Datang Mobile	Ribbon Communications
Caribbean and Latin America (CALA), including Mexico	Ericsson	Samsung
	Fujitsu	ZTE
	HPE	

Related research	
Mobile Backhaul & Microwave	SDN & NFV
Telecom Digital Transformation	Service Provider VoIP & IMS
Service Provider Network Economics	

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