

Dynamic Frontline Communications™



Simply
smarter™

instant c)nnect

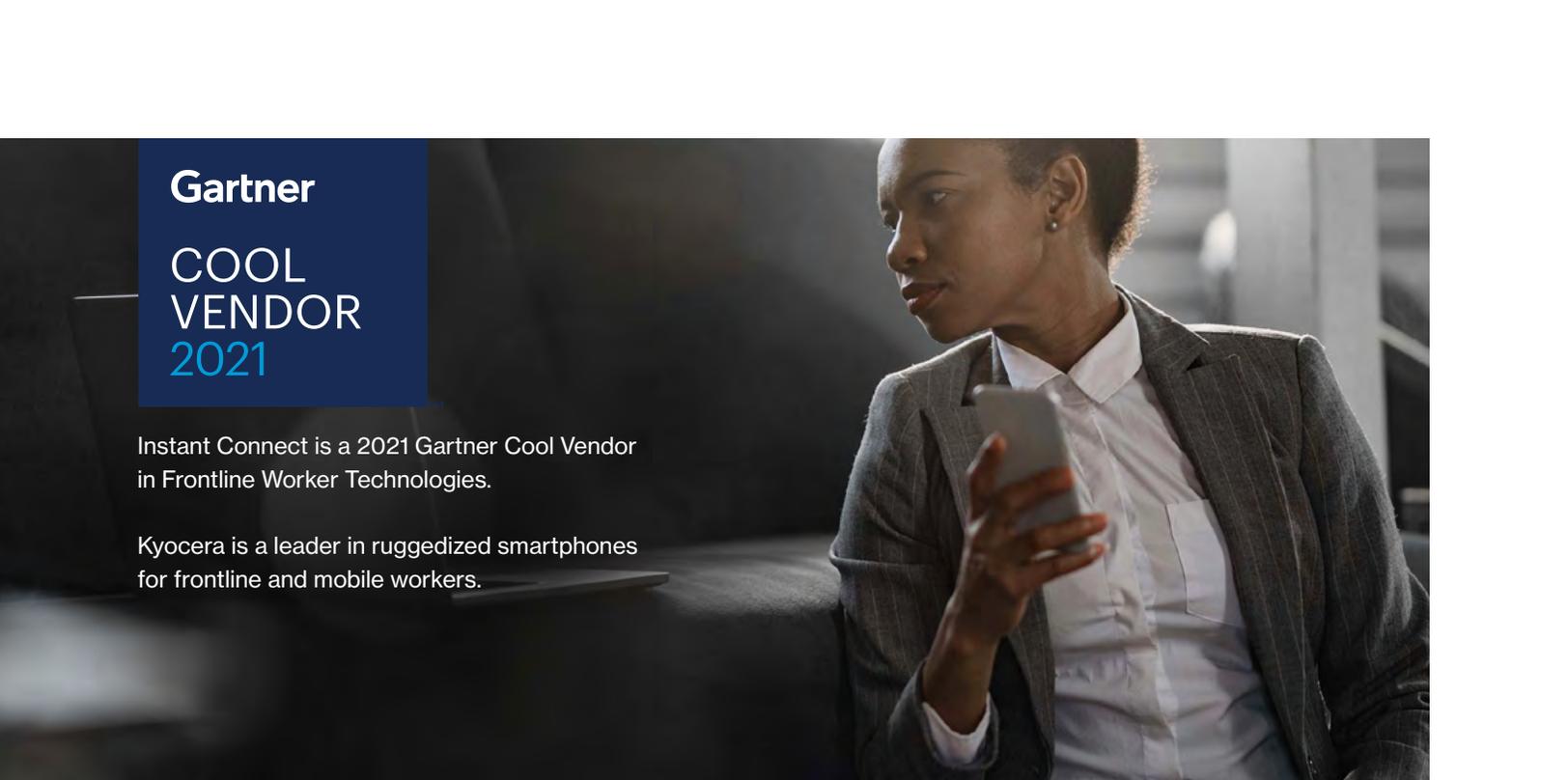
 KYOCERA

SMART TALK

Kyocera and Instant Connect

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Gartner

**COOL
VENDOR
2021**

Instant Connect is a 2021 Gartner Cool Vendor in Frontline Worker Technologies.

Kyocera is a leader in ruggedized smartphones for frontline and mobile workers.

Frontline trends

Deskless technology is on the rise

Up to 70% of new mobile and endpoint investments in the next five years will be for frontline workers.

Gartner Research

Reasons executives are investing

Communications and productivity – **44%**

Employee experience – **23%**

Cost savings – **21%**

Customer experience – **10%**

Compliance – **2%**

VentureBeat / Emergence Capital

Frontline challenges

Push-to-talk communications exist so teams can complete a mission. But in an increasingly automated world, this requires more than voice. It requires the seamless connection of people, devices, data, systems, equipment, and processes.

It also requires ruggedized, high-productivity smartphones that can withstand the harsh working environments of frontline workers.

Are your teams prepared for the frontline of the future? Can they:

Cut through clutter?

Conventional voice channels are easily congested with chatter as people vie for attention. Talk groups should be tailored to specific teams and tasks, excluding anything that isn't needed.

Leverage data and IoT?

Frontline communications are increasingly data-driven, with automated workflows often triggered by IoT systems and sensors.

Transition to 5G?

Your teams must be able to access new mobile apps and bandwidth vital to collaboration.

Eliminate manual tasks?

Systems and sensors provide a constant flow of information. All that data needs to be seamlessly integrated into your workflows – without the need for manual intervention.



Connect mobile, IP, and radio?

Traditional radio frequency signals can be easily disrupted by geographical and structural barriers, isolating workers when they can't afford to be.

Consolidate devices?

No one wants to carry multiple devices simply to execute their daily tasks. It's all about consolidating key voice and data applications on a single device.

Improve worker safety?

Frontline workers often operate in hazardous environments, traversing unpredictable terrain and running complex equipment. Even worse, they're often isolated. Can your communications mitigate risk with lone worker features like Kyocera's SOS buttons integrated with Instant Connect software?

Augment the LMR investment?

Interoperability with existing Land Mobile Radio (LMR) networks is key to optimizing frontline productivity and worker safety while building a predictable roadmap to next-gen communications.



SOLUTION

Dynamic Frontline Communications

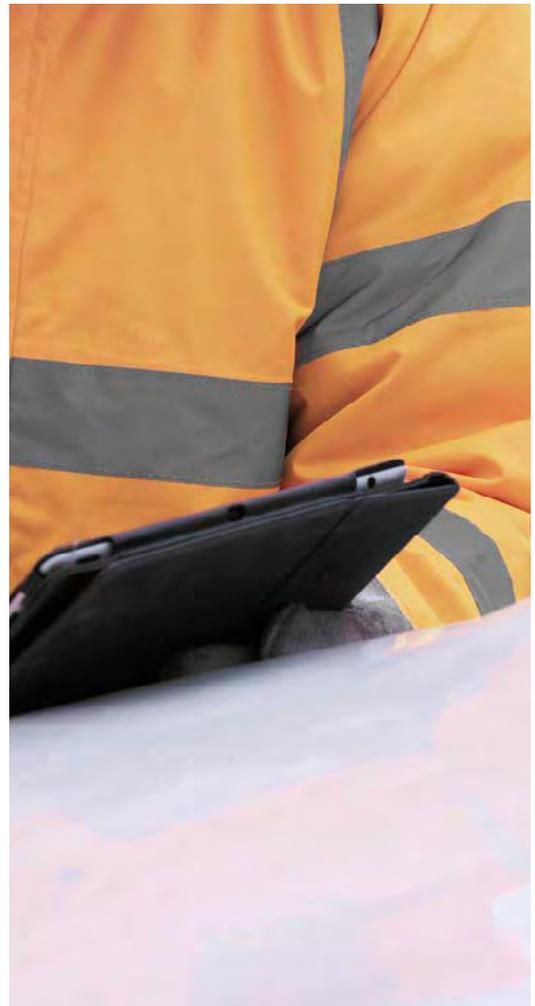
Combining the best of both worlds:



Smarter software
The Instant Connect Enterprise™ (ICE) platform from Instant Connect



Smarter phones
Ultra rugged smartphones and feature flip phones from Kyocera.



The world's first dynamic talk groups

Dynamic Frontline Communications is a new class of push-to-talk, made possible by the **Instant Connect Enterprise™ (ICE)** software platform. ICE delivers the world's first dynamic talk groups for frontline teams that need to manage voice and data communications in an increasingly dynamic world.



Complete the mission faster

Frontline workers tend to collaborate in teams with a shared mission – whether it's to execute a business workflow or resolve an unexpected incident. ICE software intuitively understands this and creates talk groups connecting only the workers who are essential to the mission.

Teams get all the information they need, without the clutter of conventional push-to-talk.

Dial up business output

ICE masterfully coordinates interoperable communications, orchestrating talk groups for teams that include everything needed to complete their objective. Subscribers can collaborate using any device across any network, including mobile, IP, radio, and telephony.

Teams are more productive when terrain and technology don't get in the way.

Enhance safety and awareness

Safety, situational awareness, and incident response are all interrelated. Synchrony on the frontline requires the seamless sharing of information between people and systems. ICE fluidly delivers voice and data communications to ensure your teams are always in the know.

Teams are better protected when nothing is overlooked and no one is left behind.

So what makes dynamic talk groups so smart?

Automation



Interoperability



Deployment



DYNAMIC TALK GROUPS

automation

interoperability

deployment

Workflow automation

Voice communications increasingly depend on connected sensors and rugged mobile devices like Kyocera that are optimized to run PTT and leverage data-driven workflows.

Eliminate manual steps and let the system do the work.

Auto-assembly and disassembly

ICE auto-discovers and authenticates users and devices, adding them to talk groups across mobile, radio, IP, and telephony networks. Mission-aware and based on the business rules you set, the software automatically assembles dynamic talk groups oriented around the people and workflows required to complete the mission. No need to manually configure teams or worry someone is left out.

Workflow automation and IoT

ICE's automation engine is easily integrated with IoT inputs, building systems, and security networks via web hooks and APIs. In response to real-time triggers, the software sets up dynamic talk groups, unlocking new workflow possibilities to help solve challenges faster and better.

Advanced geofencing

This is the world's first communications software that can automatically trigger dynamic talk groups based on users entering or exiting a virtual geo-boundary. Event venues, distribution centers, mines, airports, any geographic area where frontline teams typically operate – subscribers are automatically connected based on role, task, and location.



**DuraForce Ultra 5G
UW by Kyocera**

Cross-platform interoperability

As the universe of networks and devices continues to expand, one thing is certain – you can't afford gaps in communication. And your frontline teams can't afford to be left behind.

Don't let terrain or technology get in the way.

Cross-device

Radios. Mobile and IP-connected devices. Telephony. Whether a device is company-owned or BYOD – it doesn't matter. ICE connects it all and scales to support thousands of users without disrupting the way they like to work.

Cross-network

Voice Over IP (VoIP) and Radio over IP (RoIP) are being widely adopted by teams for mission-based communications. ICE extends push-to-talk across any network, seamlessly coordinating communications across LTE, radio, Wi-Fi, IP, MANET, PSTN, 5G, and tomorrow's evolving networks.

Augmenting LMR

Augmenting your existing Land Mobile Radio (LMR) networks with state-of-the-art mobile and IP connectivity is key to keeping everyone connected, productive, and safe. The key is to protect and augment the existing LMR investment while paving the way – seamlessly and cost-efficiently – to next-gen frontline communications.

Any device, anywhere

Smartphones

Ruggedized smartphones such as Kyocera

Radios

Tablets

Laptops

Desktops

IP phones

Other mobile computing and handheld devices (e.g. barcode readers)



Flexible deployment

Every enterprise is different. ICE's modular makeup can accommodate the unique deployment needs of your organization – and scale with your Kyocera smartphones as you grow.

Because flexibility is freedom.

Serverless

The world's first serverless voice communications platform, ICE is ultra-lightweight and ideal for fast-tracking deployments in the field. Thanks to the RallyPoint media bridge, server-based environments also gain unmatched resilience: even if your servers are unavailable or inaccessible, your teams' voice communications won't be.

From pilot to enterprise-scale

Deploy ICE any way you want and expand it as large as you need – on-premises, cloud, and hybrid.

Radio extension, augmentation, and/or replacement

ICE provides a roadmap to Digital Radio interoperability, connecting and extending a limitless array of radio networks. It's also ideal for enterprises seeking to move beyond radio.

Limitless users

ICE supports virtually limitless users with a lightweight footprint, minimizing your deployment, administrative, and training requirements in the field.





Kyocera: Rugged devices designed for push-to-talk

In remote and fast-moving sites, where field workers are utilizing the Instant Connect communications environment – such as mines, pipelines, energy grids, transportation ecosystems, sports/events venues, etc. – Kyocera’s ruggedized devices help ensure reliable communication, data share, and safety at the job site.

Kyocera offers water-proof, drop-proof, MIL-STD protected mobile devices that are certified non-incendive, Class I, Div. 2 for safe use in hazardous work environments where concentrations of flammable gases, vapors, or mists may exist.

DuraForce Ultra 5G Android smartphone

DuraForce Ultra 5G is an ultra-rugged Android smartphone on the Verizon Ultra Wideband network and includes a large dedicated external button for easy PTT communication. It also offers an external alert button for programming emergency response protocol (“man or woman down”) available through the ICE mobile client.

DuraForce Ultra 5G is equipped with two front-facing loud speakers and 4-mic noise cancellation for loud and clear audio that allows you to communicate in virtually any environment. A powerful 4500mAh durable lithium polymer battery comes standard. This is the ideal ruggedized smartphone for deploying the vital new capabilities of ICE and Dynamic Frontline Communications.

All Kyocera devices are manufactured in Japan, making them TAA Compliant, a requirement for certain government agencies and businesses.

Work smarter with Kyocera Rugged Devices and Instant Connect

Keep your teams connected, productive, and safe.



instantconnect

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