Benefits

- **Enhance productivity** by connecting workgroups together with robust push-to-talk (PTT) functionality from any device, any network, anywhere

- **Eliminate communication** silos by linking radio PTT users in with enterprise workgroup collaborations and deliver true enterprise collaboration

- **Reduce cost** by eliminating the need to deploy and manage expensive radio systems that are traditionally isolated from enterprise networks and other forms of communications

- **Enhance service delivery** by providing always-connected communications that provide immediate delivery of information, whether it be voice, video, or data

Cisco Instant Connect

Communicate Instantly without Limitation with Cisco Instant Connect

A manufacturing plant is churning away. Machines are operating at full capacity. Suddenly, an alarm occurs and the entire manufacturing line is in jeopardy. What do you do? You can make a phone call, or even use a radio, but the plant engineer is offsite and you need to reach him with not only voice but a video and images. Minutes translate into money. Downtime is unacceptable.
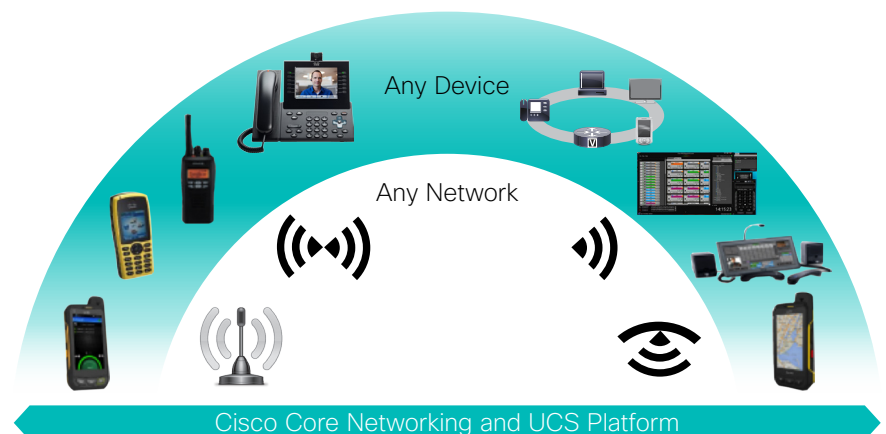
With Cisco® Instant Connect you can elevate communications and speed to resolutions. With it, you can dial up necessary parties on a rugged smartphone. With the single push of a button you can immediately communicate with the floor supervisor, plant maintenance, administration, and the plant engineer. Send the engineer a video of the problem, and plant maintenance can respond in minutes while maintaining constant communications. Help can arrive on the scene, already prepared to resolve the problem. Once the fix is complete, the plant engineer next communicates with administration to order spare parts for the equipment, saving the production line.

Return to Push to Talk for Fast, Simple Communications

Over the years, businesses have tried many forms of communications to increase productivity, from instant messaging, to text messaging, to unified communications and collaboration. As it turns out, PTT is still the preferred choice when fast, accurate, and coordinated communications and teamwork are essential, such as in mining, manufacturing, utilities, oil and gas, hospitals, schools and public safety.

With PTT, work teams can access a corporate contacts directory, determine who's online during group conversations, and see where team members are located. PTT can even be set to have the manager's voice heard above the rest, so critical information gets clearly conveyed.

Figure 1. Cisco Instant Connect Is an Enterprise PTT System

Next Steps

To learn more about the Cisco Instant Connect solution, visit www.cisco.com/go/instantconnect.

Save Cost and Improve Communications for All Workers

Instant Connect helps reduce the cost of deployment and management by enhancing or replacing expensive radio systems and eliminating the silos that traditionally exist between radio and enterprise users. Cisco can use your existing wired and wireless enterprise networks to take full advantage of existing investments and extend beyond the campus by using commercial carrier network service.

The Instant Connect deployment strategy supports operations on Cisco's leading technology platform by using Cisco Unified Computing System™ B-Series, C-Series, and E-Series virtualized PTT servers and Cisco Integrated Service Routers or Cisco 819/829 routers.

Instant Connect features and capabilities include:

- Private PTT calls
- Automatic roaming call assurance – stay connected inside buildings, on campus, and when you travel outside of campus network facilities on carrier networks
- Online user and contact presence – see who is online and ready to communicate in a channel view or contacts view
- Channel history – keep track of which channels you communicate on
- Contact mapping – see where your workgroup participants are located through GPS and mapping
- User priority with preemption – define the ability for people at the highest levels of your organization to communicate important messages
- Scanning – be aware of any conversation across multiple talk groups
- Broadcast calls – send a one way push to talk communication to all users, immediately no matter what channel they are on!
- Land mobile radio (LMR) integration for walkie-talkies and two-way radios
- Cisco Unified Communications Integration including Jabber voice and video calls from the Instant Connect application

Employees can access PTT services using a variety of devices, as shown in Table 1.

Table 1. How Cisco Instant Connect Works On Premises and in the Field

	On Premise	In the Field
Typical users	• Hospital staff and chiefs of staff • Shop-floor workers and supervisors • Manufacturing work groups and team leaders	• Extended public safety personnel without PTT radios • Inspectors • Mobile healthcare workers • Plant supervisors
How they connect	• Wi-Fi, network through an IP phone	• Radio network • 3G or 4G or LTE cellular network • Satellite link • Mobile routers
Devices they use	• Cisco Unified Wireless IP Phone 7925G, 7925G-EX, and 7926G; these models have a PTT button • Cisco Unified IP Phone 7900, 8900, and 9900 Series models • Smartphones, like the Sonim Android XP6 and XP7, using Android or Apple operating systems	• Any analog or digital radio • Personal or corporate-owned iPhones, iPads, and Android devices (requires carrier plan) • Satellite radio with data service • Any wired phone or mobile phone (dial-in users)