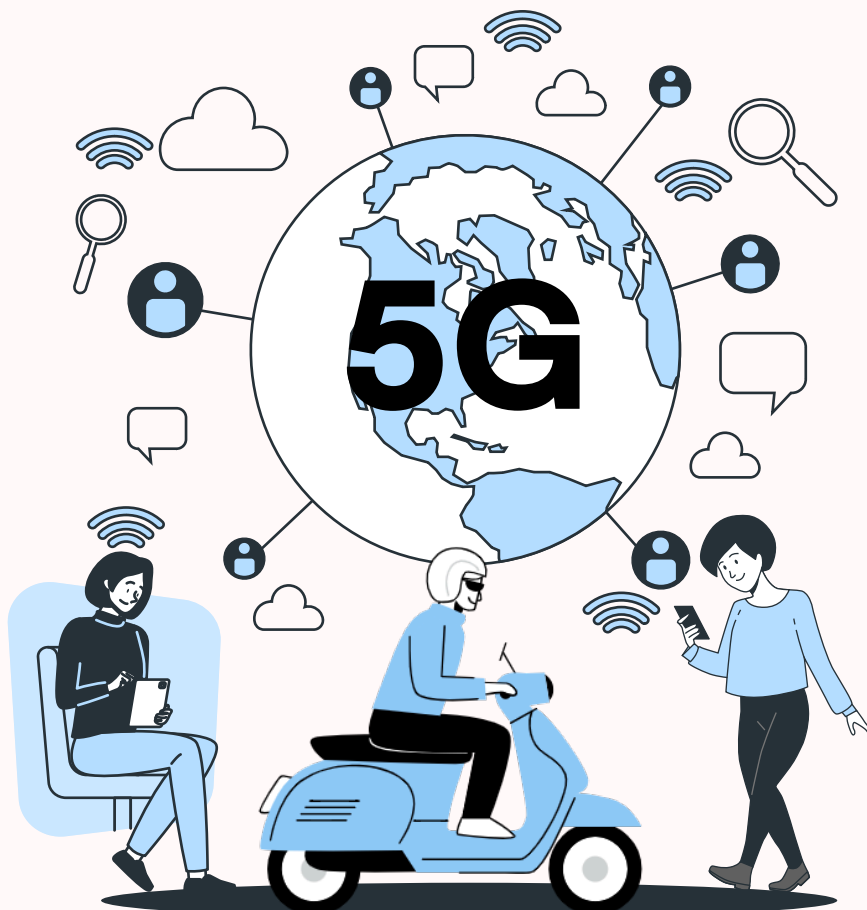


Impact of 5G on Field Employees: Efficiency and Communication in 2024



From lags in video calls to downloads that take forever to complete, the slow network keeps bothering us all through these years. But, with 5G, this situation has changed to an extent. As per a study by Ericsson, **by the end of 2027, 5G is expected to make up almost 40% of mobile subscriptions in India, reaching 500 million!** For field employees who are on the roads mostly, a strong mobile network is inevitable for effective communication with other team members and managers. It helps them coordinate the tasks and complete them on time efficiently.

The fifth generation of wireless technology, briefly called 5G, is known for its remarkable speed. In this report, let's explore the role and impact of 5G in the efficiency, productivity, and communication of field employees. The key aim of this report is to understand how 5G technology can revolutionize field operations and connectivity even in remote locations.



Compared to the 4G networks that offer speeds up to 100Mbps, **5G technology offers speeds up to 20Gbps**. While field employees go to different locations for field visits, they need high-speed network connectivity for various reasons, such as checking maps for shortest routes, sending updates to management, marking attendance, and so on. Also, **the latency** (the time taken for data to travel from source to destination) in **5G is very low at 1 ms** compared to 20-50 ms in 4G. This will enhance the real-time data transmission which helps field teams stay in the loop. On the whole, 5G offers a reliable and stable connection ensuring seamless communication and real-time data access for businesses with field operations.

Impact and benefits of 5G for field employees

Let's explore the overall benefits that 5G can bring to employees, especially those working in remote or field environments.

Benefits of 5G for field employees

01

**Higher connectivity**

02

**Better communication**

03

**Improved safety**

04

**Operational efficiency**

03

Benefits of 5G for field employees

1.Higher connectivity

According to Global System for Mobile Communications, or GSMA, **India's 5G connectivity index by market is 32 as of 2023** which is comparatively lower than the other countries. Still, the government, along with the companies here, continue to invest in 5G for better network connectivity in the upcoming years.

Remote Access



Field employees work in various industries such as logistics, pharmaceuticals, construction, and financial services, often travel to remote locations for field visits. During their travel, they need high-speed internet connectivity to take safe, optimized routes to their destinations. 5G's wider coverage saves employees' time enabling them to work productively on-field.

Real-time data transfer



As per a Gartner survey in 2021, **80% of respondents voted that they use real-time messaging, storage, and sharing tools**. With 5G, remote teams and management can share real-time location information effortlessly. Many field employee tracking apps support document and image transfer. This facilitates the field employees to coordinate and collaborate better with each other.

Benefits of 5G for field employees

2. Better communication

According to Deloitte's study of advanced wireless adoption, 58% of global employees responded that their organization is either conducting trials or deploying 5G enterprise-wide.

Now, imagine yourself as a sales manager in a company. Your field executive is out there attending an important client meeting and giving a demo of your company's product. You will be thinking about whether your executive reached the location on time, how the meeting went, what the update is, when they will share the necessary documents, and most importantly, whether the client is satisfied.

How can 5G help you in this situation?

Live updates

Your field executive can share their live location and meeting updates instantly if they have a stable, high-speed internet connection. This will increase your visibility and put you at ease. And, on the other hand, your executive can successfully complete the meeting without any interruptions from your calls or messages.

Optimized resource allocation

Real-time data assists managers in adapting to the situations and making decisions dynamically. For example, if a field employee can't go to the scheduled visit due to a road blockage, the manager can quickly allocate an alternate resource who is available near the location of the visit.

Benefits of 5G for field employees

3.Improved safety 🛡️

Weak or no communication options due to a slow network make it difficult for field workers to seek help or support in emergency situations. To keep in touch with their team, they need a 5G network.

Real-time location tracking

5G-powered GPS systems will enable accurate tracking of field employees' live locations. If employees face any difficulties, their team can find them quickly and save them from hazards.



Employee well-being

A study by Deloitte revealed that 73% of employees who engage in collaborative work report improved performance. As they feel connected to their team, their morale improves, leading to greater job satisfaction and productivity.

Benefits of 5G for field employees

4.Operational efficiency

According to a McKinsey study, **automation can reduce operational costs by 20-30%**. For utilizing automation tools to the fullest, high-speed network connectivity plays a critical role.

Lower operational costs

Smart workflows, helpful tools, and technology will help businesses of all sizes cut down on operational costs. Also, data analytics and insights allow businesses to make informed decisions that improve overall efficiency.



Efficient processes

From hiring to marketing and sales, every domain requires automation to reduce the time spent on repetitive manual work. It will reduce the possibilities of errors ultimately leading to significant savings in time and resources.

5G offers numerous other benefits, including work flexibility, faster data transfer, enhanced security, etc all of which significantly support and enhance employees' performance.

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Conclusion - The future

As far as 5G is concerned, many countries are still in the process of adapting it. Many employees across the globe are still using mobiles that don't support 5G connectivity. A Nokia report found that **45% of people consider not owning a 5G phone a barrier to using 5G** in areas where it's available, while 38% believe 5G data plans are too costly.

As we mentioned earlier, the situation is changing every day, and the day is not too far when businesses find feasible solutions to successfully implement and support their field employees with 5G technology. Let businesses embrace 5G to enhance efficiency, streamline communication, and offer real-time support to their field employees, driving mutual growth and success in the years to come.



Statistics Sources:

[Gartner Survey Reveals a 44% Rise in Workers' Use of Collaboration Tools Since 2019](#)

[Speed Comparison: 5G, 4G, LTE, and 3G](#)

[The State of 5G 2024: Introducing the GSMA Intelligence 5G Connectivity Index](#)

[5G Statistics You Must Read: 2024 Adoption Analysis & Data - Financesonline.com](#)

[A closer look into the future of 5G in India - Ericsson](#)

[Global 5G network enterprise transformation | Deloitte Insights](#)

Lystloc was founded in 2015 by our Founder & CEO, Mr. Bharath Annamalai, with a vision to help businesses improve employee productivity and efficiency through streamlined field operations. Lystloc was initially developed as an in-house application because our CEO, who is in the USA, wanted to stay updated on the progress of the remote team based in India. Later, it was developed into an enterprise-grade solution.

▶▶ **Fast forward to today,**

- ▶ Lystloc is a SaaS market leader in field force management serving more than 4,000 businesses around the globe.
- ▶ Lystloc has grown into a team of over 60 dynamic people who thrive together to deliver exceptional value to our customers.

Check out our website: [Field Employee Tracking App - Automated Sales Force Software | Lystloc](#)