



## Manufacturing

At **Ericsson's** 300,000-square-foot **5G Smart Factory in Lewisville, Texas**, they're leveraging CBRS to enable cutting-edge manufacturing of 5G and Advanced Antenna System radios, **creating 500+ new jobs** that are **literally fueling 5G infrastructure deployment** in the United States.

With a production rate exceeding **1,500 cars daily**, **BMW's South Carolina facility** is the company's largest manufacturing hub in the world – and it's powered by CBRS. BMW deployed a CBRS-based private 5G wireless network at the facility, aimed at streamlining manufacturing and storage activities and ensuring a seamless operational flow.

**Dow Chemical's facility in Freeport, Texas**, which includes 40 production plants across 20 square miles, deployed a CBRS-based private wireless network they used to complete **28,000+ digital procedures in just four months**. The effort greatly **improved the plant's efficiency, enhanced worker safety, and boosted their productivity and reliability**.

**At its 100,000 square-foot smart manufacturing park in Mount Pleasant, Wisconsin, Foxconn** uses dynamic spectrum sharing in the CBRS band to automate its smart factories. Right now, these solutions are **enabling operation of automatic guided vehicles and robotics, while connecting a data center, lab space, factory stations and more**.

A large global retailer plans on testing the use of a wireless networking tool operating in the CBRS band – it **can handle four times the amount of traffic of traditional 5G** and is designed to **control robotic systems to improve warehouse efficiencies**. The retailer plans to test this innovative tool at distribution centers in Brooksville, Florida, and Lebanon, Pennsylvania.



## Agriculture

In the small town of **Westboro, Missouri, Hurst Greenery** utilizes CBRS to connect its **18 greenhouses across 600 acres of land**. They've implemented precision agriculture tactics, like automated temperature and soil moisture monitoring, leading to a **10% increase in efficiency and profit**.

**John Deere** has deployed **CBRS-powered private networks in multiple factories across Illinois and Iowa** to automate processes, connect digital devices to the Manufacturing Execution System, use video analytics to automate quality checks, operate Automated Guided Vehicles and Autonomous Mobile Robots, and replace an extensive Wi-Fi network with fewer access points.



## Airports & Shipping Ports

**Dallas Love Field Airport** uses CBRS solutions to provide high-performance, low-latency connectivity. CBRS connectivity enhances internal operations and delivers elevated customer experiences for Dallas Love Field and its travelers.

At **Newark Liberty International Airport**, spectrum sharing is enhancing operations both in and outside of the airport – from updating digital signage, to ensuring fast connectivity for employees and travelers.

At **Minneapolis-Saint Paul International Airport** – which serviced over 31 million passengers in 2022 alone – CBRS is being used to improve a variety of airport processes, like monitoring critical infrastructure and tracking airside maintenance.

The **Port of Long Beach** uses CBRS to support automated guided vehicles moving cargo without human drivers, monitor inventory in real time using CBRS-enabled wireless sensors, and track and route equipment, vehicles, and cargo to improve speeds and workplace safety.



## Sports & Entertainment

When a stadium is packed to the brim with thousands of fans, reliable connectivity is critical. That's why the **NFL is using CBRS at all 30 of its stadiums across 24 states** – enabling time-sensitive voice communications during the game, backstage communication during broadcasting and on-field video monitoring where seconds matter.



## U. S. Military

At the **Marine Corps Logistics Base in Albany, Georgia**, CBRS enables real-time control of robotics, helps personnel manage critical assets and inventory, and enables authorities to utilize smart security cameras to authenticate personnel and track vehicle arrivals and departures. The network has resulted in **98% accuracy in inventory reordering, 65% faster movement of goods, and a 55% reduction in labor costs.**



## Hospitality

**In Seattle, across the Sound Hotel's 142 rooms, restaurant, and fitness center, a CBRS-based private network is driving the connectivity that guests and employees rely upon 24 hours a day.** Spectrum sharing is enhancing a host of hotel operations and security measures, including environmental sensors, video surveillance and staff communication in and around hotel grounds.



## Higher Education

Students, faculty, and other visitors rely on robust broadband connectivity across **Howard University's 256-acre campus in Washington, D.C.** Dynamic spectrum sharing in the CBRS band is enabling this enhanced connectivity daily, **giving the university's 9,000 undergraduate students and thousands of other faculty and visitors the wireless resources they need.**