ERICSSON

CBRS Solutions

Maximizing performance in your network

Citizen's Broadband Radio Service (CBRS)

The United States Federal Communications Commission (FCC) has approved the 3.5GHz CBRS band to drive innovative new wireless services in the US. The CBRS-based LTE technology has been branded as "OnGo" to reflect its "always-on" solution for businesses looking for cost effective LTE coverage.

This 150 MHz within the 3.5 GHz shared spectrum is designed to balance the needs of existing incumbent applications with those of new services.

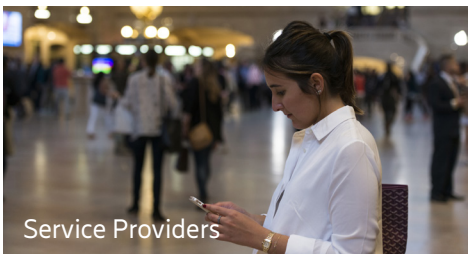
Improve and expedite connectivity in a variety of venues

CBRS technology will open up a variety of new markets:

- Enables GBPS+ Performance for Mobile Network Operators
- Delivers Private LTE Networks for industry & society – IoT applications, sensor networks
- Enables alternative operators/new industry entrants to offer LTE services

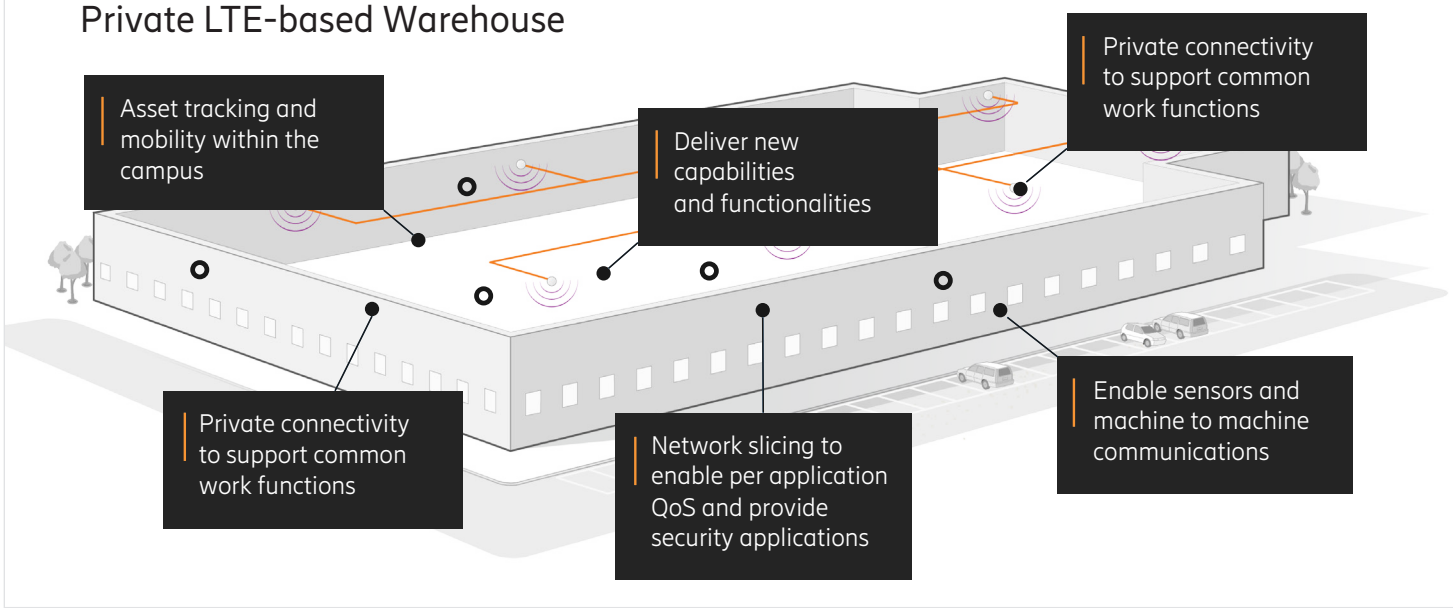
- Higher Network Performance
- Guaranteed Secure Network Operations
- Accelerated Deployments and Opportunities
- Future-proof Architecture

Highest performance CBRS solutions for:



Case Study: Private LTE in Action

Private LTE-based Warehouse



Ericsson CBRS Solutions for Indoor and Outdoor Deployments

Radio Dot System Architecture

Radio Dot

- Indoor optimized ultra compact radio
- Discreet and easy to install
- Single or dual licensed band
- Dual-radio CBRS
- Radio and power over LAN cable

Indoor Radio Unit

- Power and control for Radio Dots
- Remote or co-located with Baseband

Baseband and RAN Software

- Pooled LTE capacity
- Software upgrade to 5G NR
- Scalable options to align with venue size and user capacity

CBRS Micro Radio

- 2 x 10W Class B CBSD
- Coverage for outdoor areas
- Up to 3 x 20 MHz Carrier Aggregation
- Environmentally hardened
- External antenna support
- 2x2 MIMO

CBRS Radio Dot

- 4 x 50mW Class A CBSD
- High Capacity Indoor Coverage
- Up to 4 x 20 MHz carrier aggregation
- 600 Mbps DL/200 Mbps UL
- Dual independent 40 MHz CBRS radios
- Non-contiguous PAL and GAA deployments with one Dot
- Single-operator, multi-operator or neutral host with one Dot
- 2x2 or 4x4 MIMO

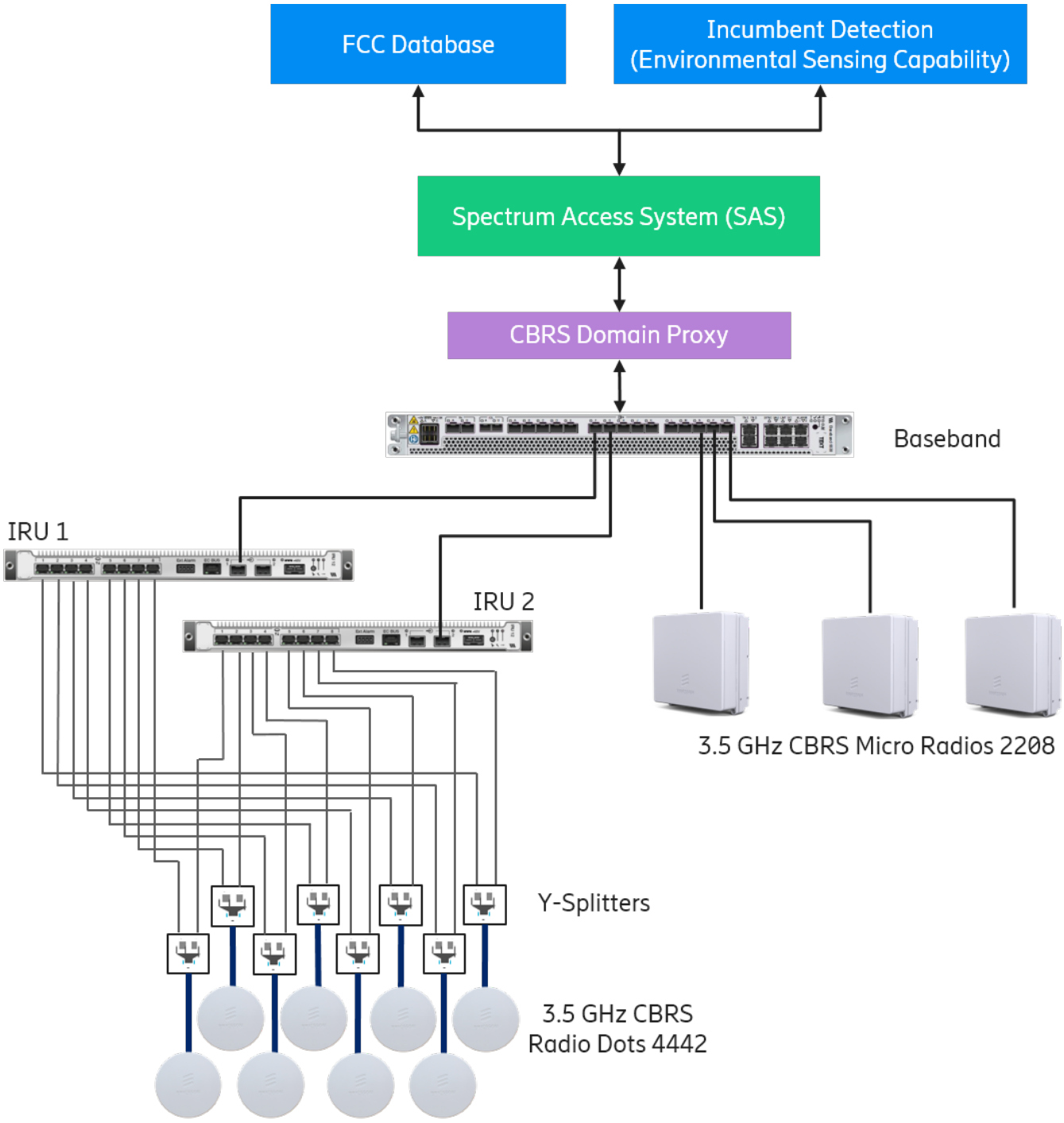
Flexible Deployment

Simple installation, power and signal over standard IT cabling

Hardened Dot for stadium and other outdoor deployment

Site solutions for multi-operator, multi-band neutral host deployment

CBRS Architecture



"The promise of the CBRS band and enabling the use of wider swaths of spectrum will make a big impact on carrying wireless data in the future."

— **Bill Stone,** VP of Technology Development and Planning, Verizon

For more information, please contact: ericsson.enables.indoor@ericsson.com