

CASE STUDY

Private Wireless Network Catalyzes University of Colorado Innovation Program

CHALLENGE

5G was identified as a key technology strategy for the University of Colorado Denver “living lab” program. However, obtaining use of 5G spectrum to build a network for academic purposes is been challenging and costly, if not impossible. Additionally, federal grant money and grants that can catalyze and accelerate innovation and workforce development is a process that is confusing and time consuming to navigate.

SOLUTION

RF Connect architected a strategy to leverage 5G to build a Private Wireless Network to support the educational socio-economic program envisioned by University of Colorado Denver. Private Wireless Networks empower universities for the first time to build and operate broadband networks using cellular spectrum. The company led the design, technology procurement, deployment, and optimization of the network. Additionally, it assisted in applying and winning a grant to fund the project.

BENEFITS

The Private Wireless Network enables secure, reliable, and customized connectivity solutions. 5G offers faster speeds, lower latency, and greater capacity than previous generations of wireless networks to enable new applications and use cases that were previously not possible. The deployment has helped the university advance its mission to develop its smart city certificate program for undergraduate students and mid-career professionals interested in a variety of tech-related careers. And because a university campus is a microcosm of a city, graduates will be well positioned to help overcome digital divide constraints to promote equality, opportunity, and growth for citizens.

BACKGROUND

When the University of Colorado Denver envisioned a “living lab” to support its smart cities incubator and accelerator program, it was clear that next generation wireless connectivity would also be foundational to build the cities of tomorrow to bridge the digital divide.



“Our project offers a blueprint for other universities to architect similar initiatives to leverage Private Wireless Networks and grants to create innovation certificate programs for tech related careers”

Spokesperson

University of Colorado
Denver

FOR MORE INFORMATION

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