

PUERTO RICO POLICE DEPARTMENT

Public Safety Infrastructure destroyed by a Hurricane quickly needed to be rebuilt. Cielo Networks' Microwave links provided critical backbone network for a new P25 LMR system with efficiency and reliability.

Background: In September 2017, Hurricane Maria devastated Puerto Rico and destroyed much of the island's public safety networks. A new communication infrastructure needed to be selected and installed quickly.

Decision: Puerto Rico Police Department (PRPD) chose Cielo Networks in partnership with Codecom, a San Juan-based systems integrator, to design and build a new all IP-based IP backbone, utilizing Cielo's CG2X license microwave solution with hot-standby redundancy for added reliability.

Results: The backbone networks provided 100% coverage for a new EF Johnson's P25 Multicast land mobile radio (LMR) network for PRPD. Large coverage areas across the island made it necessary to implement long-distance microwave links, the longest link spanning 30 miles.

The microwave backbone allowed PRPD to run an L3 network with multiple routing instances with the Cielo's SkyLink CG2X licensed links being the core of this resilient transport network.



“Puerto Rico Police had not known about Cielo Networks prior the Hurricane event, yet their commitment to assist us during the restoration stages of PRPD’s LMR networks and their support to the local Systems Integrator revealed a true mark of excellence.”

PRPD