PROSCEND®

CASE STUDY

Proscend SHDSL Router for Surveillance in Russia.

Background

In 2018 Russian Presidential Election, Russia's leading carrier, Rostelecom needed to organize video surveillance at more than 43,000 polling locations to broadcast online video. The video broadcast had to be uninterrupted from the opening of the polling places until the votes are counted and relevant protocols are signed. It allowed people from any of Russia's regions to monitor the election with live stream content.

Challenges

Covering an expanse of over 6.6 million square miles, Russia is the world's largest country by landmass. Many voting locations such as public schools in rural areas didn't have fiber infrastructure for data transmission. Building a high-speed and reliable network for live video streaming at thousands of polling locations within a very short time frame was a mission impossible.

Solutions and Benefits

Proscend's SHDSL Router became the perfect solution for this problem. The SHDSL router delivers Ethernet services with symmetrical bandwidth at rates up to 15.3Mbps/pair over existing copper infrastructure, enabling a good alternative in places where fiber is unavailable or not economical to deploy. The SHDSL routers can be configured as Master or Remote for point to point connectivity and extend Ethernet beyond 8 KM. Flexible and rapid service deployment allowed this mission completed successfully in time.

Product Used

Proscend 5210N 2-Wire G.SHDSL.bis EFM Router

- Extending Ethernet Services to sites with existing copper infrastructure
- Each pair is capable of 5.7Mbps to 15.3 Mbps depending on distance requirement
- EFM Bonding up to 61 Mbps (4 pairs, TC-PAM 128)
- Support both EFM mode and ATM mode
- Flexible and Rapid Service Deployment
- Flexible configuration as CPE or CO
- Low Delay, Jitter and Packet Loss for delay sensitive applications
- Future-proof Ethernet traffic management and QoS features