

Project: Caprock Pipe & Supply, L.P. – Network Upgrade

Completion Date: July 30, 2007

Project Manager: Kasee Powers

Overview

Caprock Pipe & Supply enlisted American Technology Systems to solve a few issues they were experiencing on the network and to initiate a project previously recommended by ATS.

- CPS was planning additional remote locations. The current IVDS T1 was nearing its maximum throughput and voice quality to the current remote location was beginning to suffer.
- In 2005 ATS advised CPS an additional fiber line should be installed to create a redundant fiber ring. CPS was now ready to move forward with this project, due to a near miss by a passing truck in CPS's pipe yard that nearly took out the only fiber line to the Main Office.
- CPS was interested in extending the wireless network coverage to better utilize the existing Cisco IP 7920 phones and to allow access for laptop users while inside the 30 acre facility.

Solution

ATS started by contracting and trenching a 1000' trench between the Main Office and the Large Inspection Shed. This allow for a 6 strand fiber cable to be installed creating a fiber ring between the primary buildings. An additional Cisco switch was needed to facilitate the installation and was installed by ATS.

To address the internet issues ATS suggested replacing the IVDS T1 with a full T1 for data and a full PRI for voice. ATS coordinated all installations with local phone carries and performed the installation over a weekend. CPS experience zero down time during production hours.

ATS installed an additional Cisco wireless access point that allowed for voice and data communications anywhere within the 30 acre facility.

