

CREEKPOINTE

AE SOLUTIONS

**Company Profile:** Since 1998 AE Solutions has been providing complete automation and system integration to its customers. As one of the leading process safety engineering resources in the world, their customer base is wide and far. Their team of experienced engineers has the ability to offer clients a single source of contact for the entire lifecycle of their project. Their objective is “to optimize your manufacturing capabilities by providing process control and automated manufacturing solutions that improve production, quality, and safety while maximizing the return on your project investment. From initial concept through start up, operation, and ongoing service - we respond to our clients' rapidly changing markets and customer demands while assuring compliance with the most up-to-date safety standards.”

## BUSINESS NEEDS

- Ability to expand branch office
- Secure connection between long distances
- Ability to operate from remote locations without IT staff present

## SOLUTION

- Preconfigured equipment
- VPN Tunnel
- Ability to remote into site without physically being present

## BENEFITS

- Centrally-managed network
- Secure low cost connection between long distances
- Eliminated need for IT services at branch office

## ALASKA OFFICE MANAGED FROM UPSTATE LOCATION

**Business needs:** AE Solutions made the decision to open a branch offices in Alaska. CreekPointe was asked to design a scalable, secure network that was easily managed from the central office.

**Solution:** CreekPointe recommended deploying dedicated VPN tunnels between the offices giving them the ability to securely connect to one another and to eliminate the need for an IT tech at the remote location. When the office was being launched, CreekPointe obtained their new networking equipment and servers and pre-configured each before sending them to their new location. This gave AE Solutions the ability to have the equipment up and running within minutes of receiving it.

### Benefits:

- Centrally-managed extended network
- Secure, low-cost connection between offices thousands of miles apart
- Pre-configuration equipment eliminating the need for IT

service at the branch office.

“CreekPointe made it easy”!

-Ken O'Malley AE Solutions

## Manufacturer increased security while lowering IT Cost!

AE Solutions needed to be able to track the individual employees who had remote access to log into their private network. Because of this need every time there was an employee separation, it resulted in reconfiguring each user's system which increased overhead costs and down time for employees.

CreekPointe took those needs into consideration and recommended installing a radius server which would monitor each individual user's access to the network. The server was configured to integrate with their existing Windows Active Directory network so it did not require any additional equipment. By doing so, employees were able to gain remote access by providing their network credentials and not relying on a global password that constantly had to be changed. To IT, this meant eliminating the configuration of every workstations due to one user's separation. Now, when an employee separates their account is disabled during IT's exit procedure while not affecting other employees. The RADIUS also has a log that keeps track of all remote access attempts, allowing management the ability to see who/when someone is accessing their network.

### Benefits

- Increased security by adding a second level of authentication
- Integrated security with their current Windows Active Directory
- Provided accountability of who was accessing the network
- Lowered administrative overhead for IT

## Guest Access to Company Equipment Without Compromising Company Security

### Problem

AE Solutions needed to provide access to company hardware and software when customers would come in to do training on a demo system without giving them complete access to private company information.

### Solution

CreekPointe suggested utilizing their existing high-end Cisco firewall and implementing a DMZ configuration. A CreekPointe engineer worked closely with AE Solution's network administrator during the project. The DMZ was brought online with no interruption to day-to-day operations. The DMZ solution created a separate, secure network to place their demo systems while assuring the integrity of their internal network. The DMZ also functions as a secured guest network for clients visiting their site.

### Benefit

- Secured internal network from demo systems accessed by outside clients
- Provided secure guest access for visiting clients/partners

**About Us:** CreekPointe has over 20 years of experience dealing with a variety of technical needs. We are industry leaders with certifications by: Microsoft, IBM, HP, Cisco, among others.

**CreekPointe**<sup>®</sup>

*Engage - Collaborate - Empower*

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