

## Incident summary

In August 2005, 13 US auto plants were shut down by a simple Internet worm. Despite professionally installed firewalls separating the Internet, the company network and the control network, the Zotob worm had made its way into the control system (probably via a laptop). Once in the control system, it was able to travel from plant to plant in seconds. Approximately 50,000 assembly line workers ceased work during the outages.

## Cause of incident

Introduction of malicious code via a secondary pathway into the control network.

## Cost impact

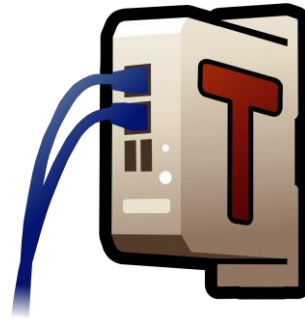
\$14 Million (estimated).

## Why *Tofino* would have helped

*Tofino's* Zone Level Security™ strategy isolates all network devices inside their own security zones, including any potential alternate points of entry into the network. If an attack does originate from a fixed or transient entry point, it is contained within the zone in which it originated rather than spreading uncontrolled throughout the network. In addition, *Tofino's* real-time reporting feature would immediately alert operations and/or security personnel so they can respond in a co-ordinated fashion.

# Tofino™ Industrial Security Solution

Zone Level Security™ for your control network



**Tofino Security Appliance**

Zone Level Security for your control network

## Cyber security issues can be a major cause of plant down time

You may never be attacked by a serious hacker, but typical control networks are extremely vulnerable to simple day to day security issues. Poor network segmentation, unprotected points of entry into the network, 'soft' targets such as un-patched PCs and vulnerable PLCs, and human error can result in significant production losses and even safety issues.

The Tofino Industrial Security Solution is a distributed security solution that quickly and cost-effectively implements cyber security protection within your control network.

*Tofino's* flexible architecture allows you to create security zones - Zone Level Security - throughout your control network to protect critical system components. *Tofino* helps you meet and exceed NERC CIP requirements and ANSI/ISA-99 standards. And best of all, it helps you avoid expensive down time and achieve optimal performance in your plant.

Learn more at [www.tofinosecurity.com](http://www.tofinosecurity.com).



**Tofino Central Management Platform (CMP)**

Centralized security management



**Tofino Loadable Security Modules (LSMs)**

Customize the security functions in each zone

Your authorized *Tofino* supplier:

**TOFINO™**  
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