**My Report to SCADA**

**Alexa Arias**

**Trident University**

**02/23/2020**

I would like to do my report on supervisory control and data acquisition (SCADA). This system is important to our country because this system is what keeps our country running. Also, SCADA protects us. For instance if there is a leak in a pipeline, it would send information of that leak. SCADA is used everywhere. These are a few examples of where SCADA is used: the refrigeration at supermarkets, tracking energy used in homes, ensuring safety at refinery, and those are a few examples (Inductive Automation, 2018). This system does a lot for our country and keeps our country running. If this system ever got a hold in the wrong hands it would cause chaos. This is an example of a terrorist act that happened, “In January 2008, a teenage boy who hacked into a Polish tram system used it like “a giant train set,” causing chaos and derailing four vehicles.” (Homeland Security Today, 2018) Anyone that can get a hold of this system can cause a lot of chaos and destruction. A vulnerability with SCADA, is cybersecurity but they are ways that since then SCADA’s security systems has improved. Overall, if any terrorist got a hold of the SCADA system it can be damage to our infrastructure, instill fear in people, and create a manmade disaster. After September 11, 2001, there were “reports that circulated in The Washington Post and elsewhere that investigators had identified “multiple casings of computer sites” nationwide routed through telecommunications switches in Saudi Arabia, Indonesia and Pakistan. The visitors, according to investigators, studied emergency telephone systems, electrical generation and transmission, water storage and distribution, nuclear power plants and gas facilities.” (Homeland Security Today, 2018). Terrorist have been wanting to do a cyber-attack on the United States, but do not have the ability to do so due to not having the capabilities. As you see the SCADA has control of many of our resources that we use on a daily basis and if that gets under control that is the worst that can happen to our country. I want to address how important SCADA is to our country and give examples of some of the terrorist activity that happened once a terrorist got a hold of it.

**References**

Inductive Automation (2018, September.).*What is SCADA?* *.* Retrieved <https://inductiveautomation.com/resources/article/what-is-scada>

Homeland Security Today (2018, September) *Infrastructure Security: Securing SCADA* Retrieved from https://www.hstoday.us/subject-matter-areas/infrastructure-security/infrastructure-security-securing-scada/