Infrastructures that provide systems for everyday life mechanics are needed to function over time as we need consistency from these departments. Without some type of security, these facilities will be targeted for attacks, as it would be a way to hurt a large number of people in a short amount of time. Physical damage to the technology could leave the system out for long periods of time to the point where they are repaired or replaced. Malware getting into the infrastructure system is possibly one of the more common ones in our generation as cyber threats are at the highest they have ever been in history. The cost of failures within a system is not something to ignore, they can lead to a collapse of the whole infrastructure. SCADA is a security system that is typically used as a form of an alarm that alerts us if anything happens to the system. Allowing us a graphic that gives us information on where the threat has infiltrated, being able to obtain this information makes for easy appoint of where the weakness in the infrastructure is for the future to build on. Overtime SCADA is able to compact information on these weaknesses and point out common vulnerabilities within the system also able to send this information between networks safely. If all fails there is backup hardware able to be work, just in case one fails until the primary system is up and running again. A newer version of this security has been using the internet to move information as that increases the risk of vulnerability it is a trade that can be monitored and used for a greater result. SCADA is able to do fix so many problems or keep problems that may be available without. It truly is crucial for any important facilities that work every day in our systems.