

## Inherent Industrial Control System Risks

In a world that depends on Industrial Control Systems (ICS) to provide clean drinking water, deliver power, manufacture vehicles, package food and much more, there is a long list of risks and consequences that present themselves and threaten these systems. Some of the major risks and consequences that ICS face are:



### Risks

- *Cyber Attacks*
- *Unintentional Operator Error*
- *Hardware Failure*
- *Disgruntled Personnel*
- *Severe Weather*
- *Power Outages*
- *Acts of God*

### Consequences

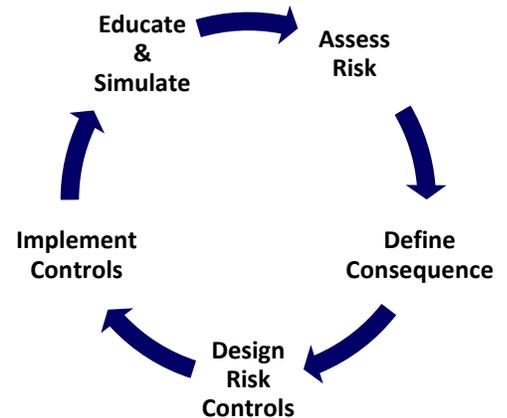
- *Unplanned Downtime*
- *Regulatory Penalties*
- *Loss of Production*
- *Public Safety and Health*
- *Loss of Historical Data*
- *Damage to Property*
- *Emergency Engineering Support*



Although there are numerous avoidable measures that can be implemented to reduce the probability of risk to an ICS, the ability to plan ahead and be prepared to mitigate the potential consequences an ICS can face is essential. Quantum can consult and develop plans and procedures that when implemented properly, can reduce the risks an ICS faces.

## Developing a Plan

Using our extensive knowledge of industrial control systems, Quantum can provide professional consulting and engineering services to develop a plan of action for situations that presents a risk to an industrial control system. Along with this plan of action, Quantum can create drills that will allow ICS end-users to simulate scenarios in which their system experiences an attack or catastrophic event. This will better prepare individuals in the event of a real threat or impact.



## Peace of Mind

Establishing a plan of action, the introduction of disaster recovery mechanisms, and the simulation of catastrophic events will provide peace of mind, knowing that you and your ICS are prepared for a potential risk.

With over 150 years of combined experience as a firm, Quantum has the resources to help you with your ICS disaster preparedness and recovery plan. Although these risks may be few and far between, they can, and will happen to you. ***Get prepared and protected today, doing something is better than doing nothing!***