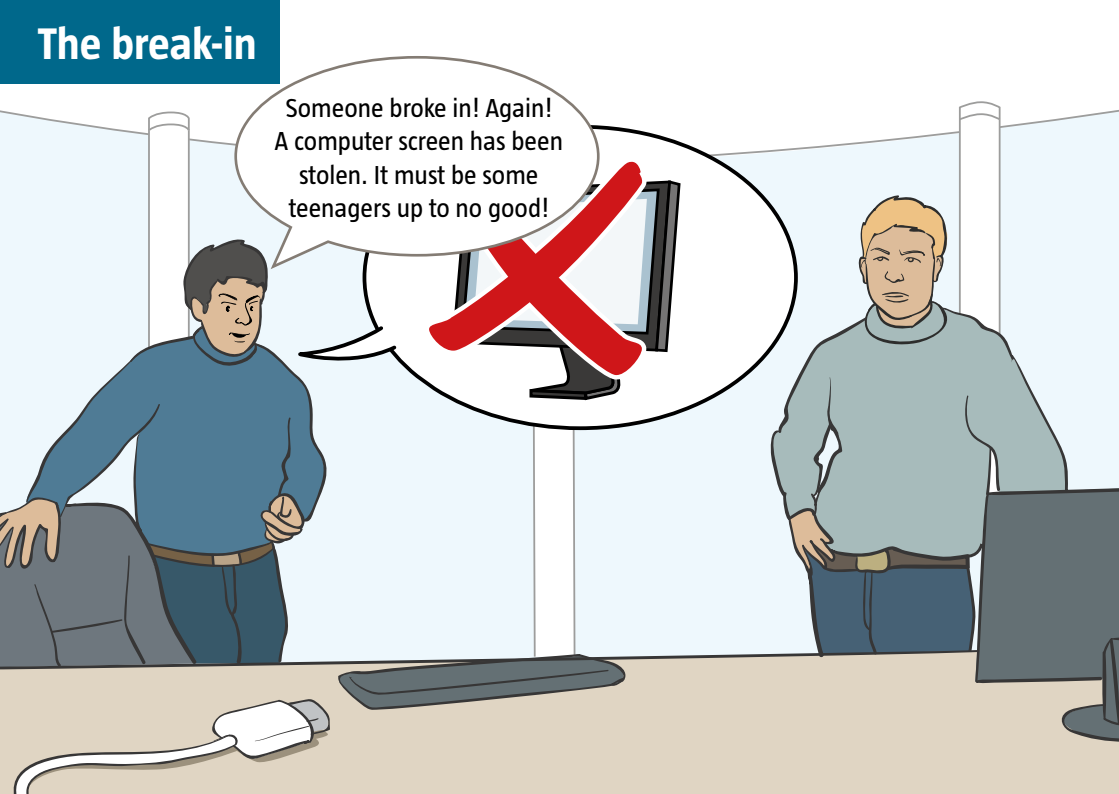
Swedish Civil
Contingencies
Agency

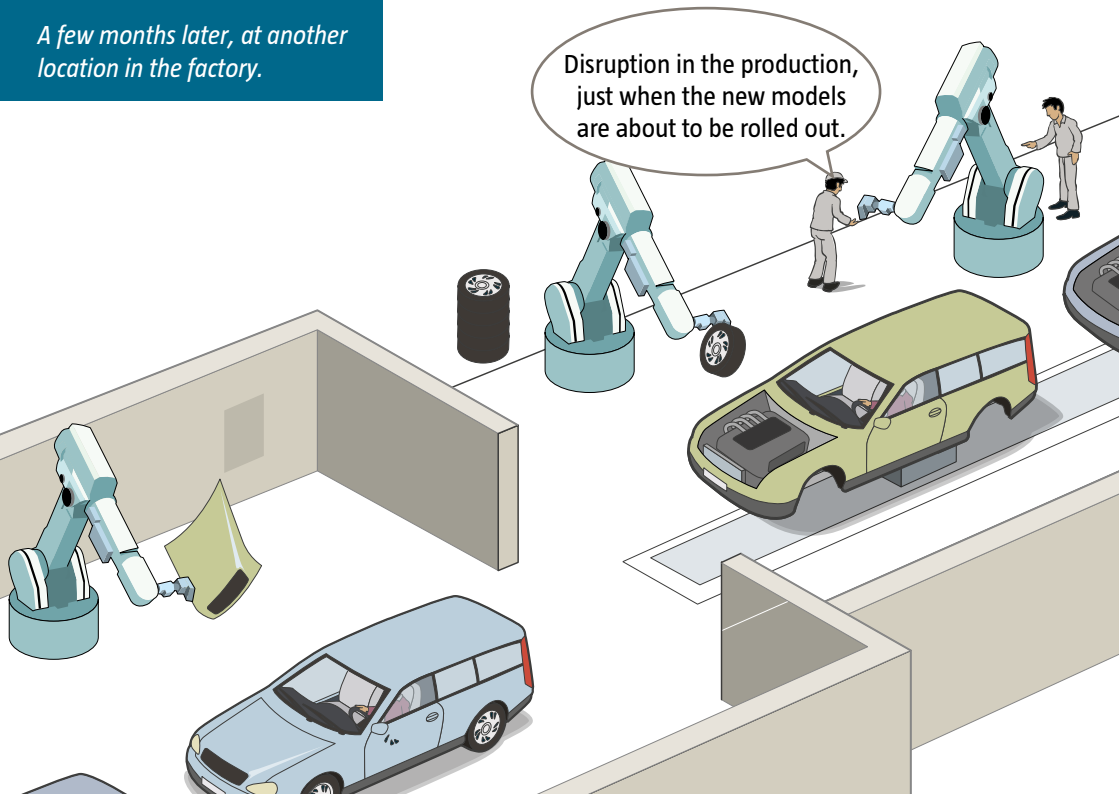
ICS Parables

Part 1

The break-in


Someone broke in! Again! A computer screen has been stolen. It must be some teenagers up to no good!

A few months later, at another location in the factory.



A few weeks later.


What actually happened during that break-in a few months ago?

Recommendations

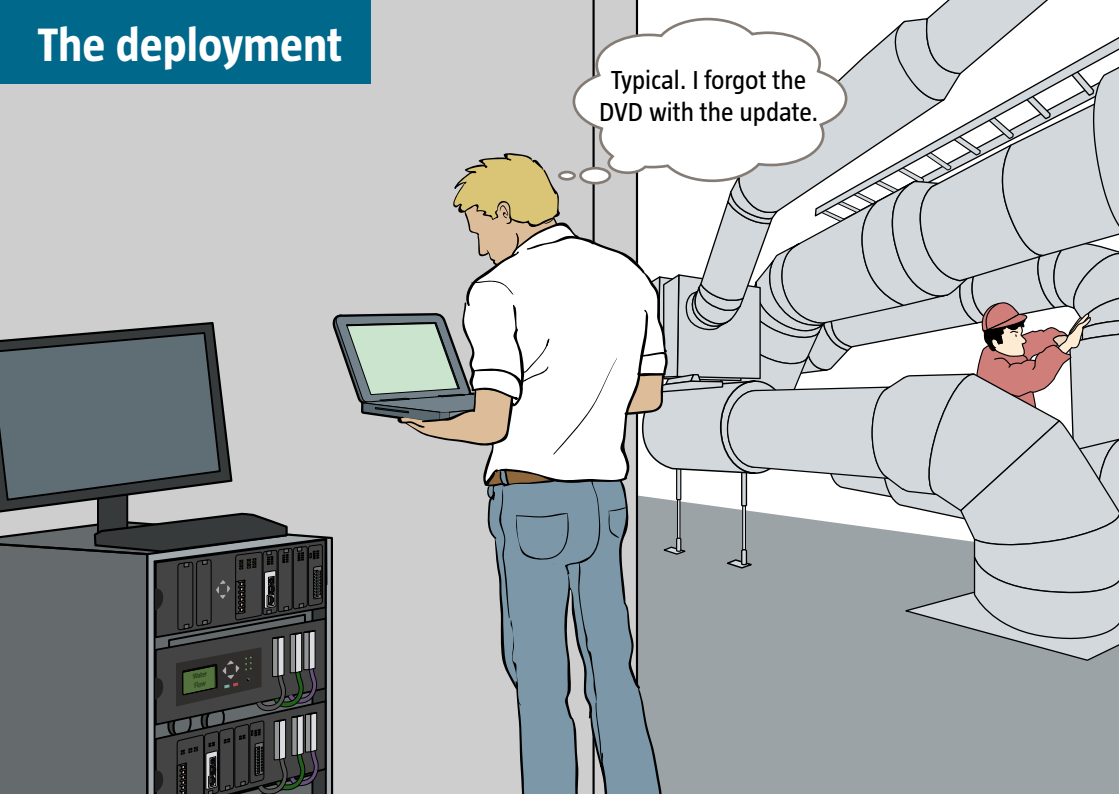
- Continually evaluate the physical security of industrial information and control systems.
- Regularly ensure that any and all connections to industrial information and control systems are secure and relevant.
- Continuously monitor connections and systems in order to detect intrusion attempts in industrial information and control systems.

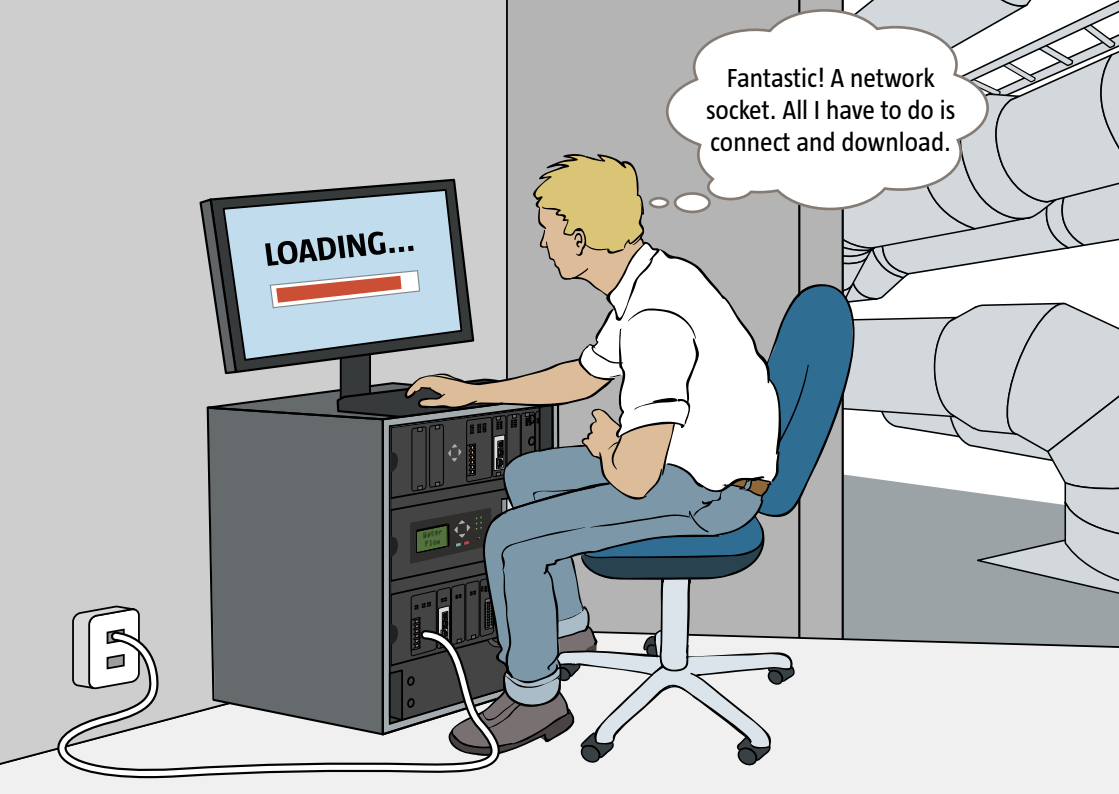
Protect vital societal functions.

Protect your organisation.

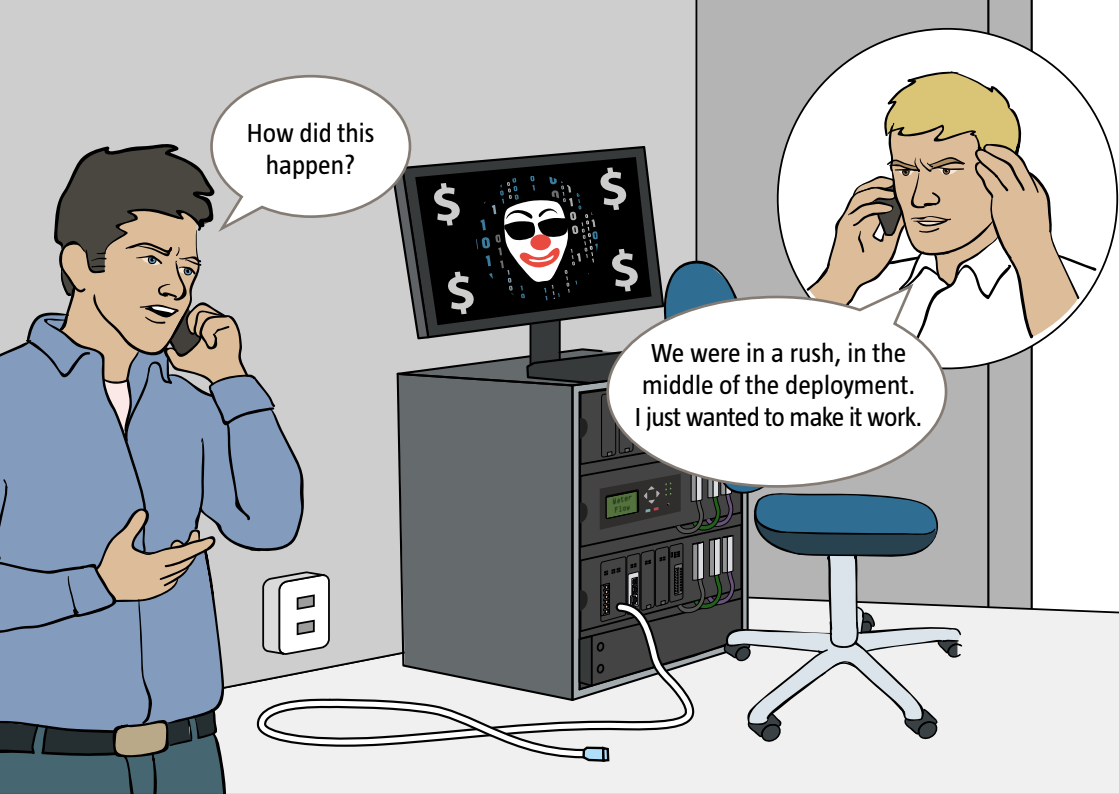
Protect your industrial control systems.

The deployment




Fantastic! A network socket. All I have to do is connect and download.
LOADING...


A few weeks later.
What is this? A direct connection to the administrative network!
Water Flow


How did this happen?
We were in a rush, in the middle of the deployment. I just wanted to make it work.

Recommendations

- Create a good security culture and heighten awareness of the need for security in industrial information and control systems.
- Conduct periodic technical security audits of industrial information and control systems.
- Regularly ensure that any and all connections to industrial information and control systems are secure and relevant.
- Continuously monitor connections and systems in order to detect intrusion attempts in industrial information and control systems.

Protect vital societal functions.

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