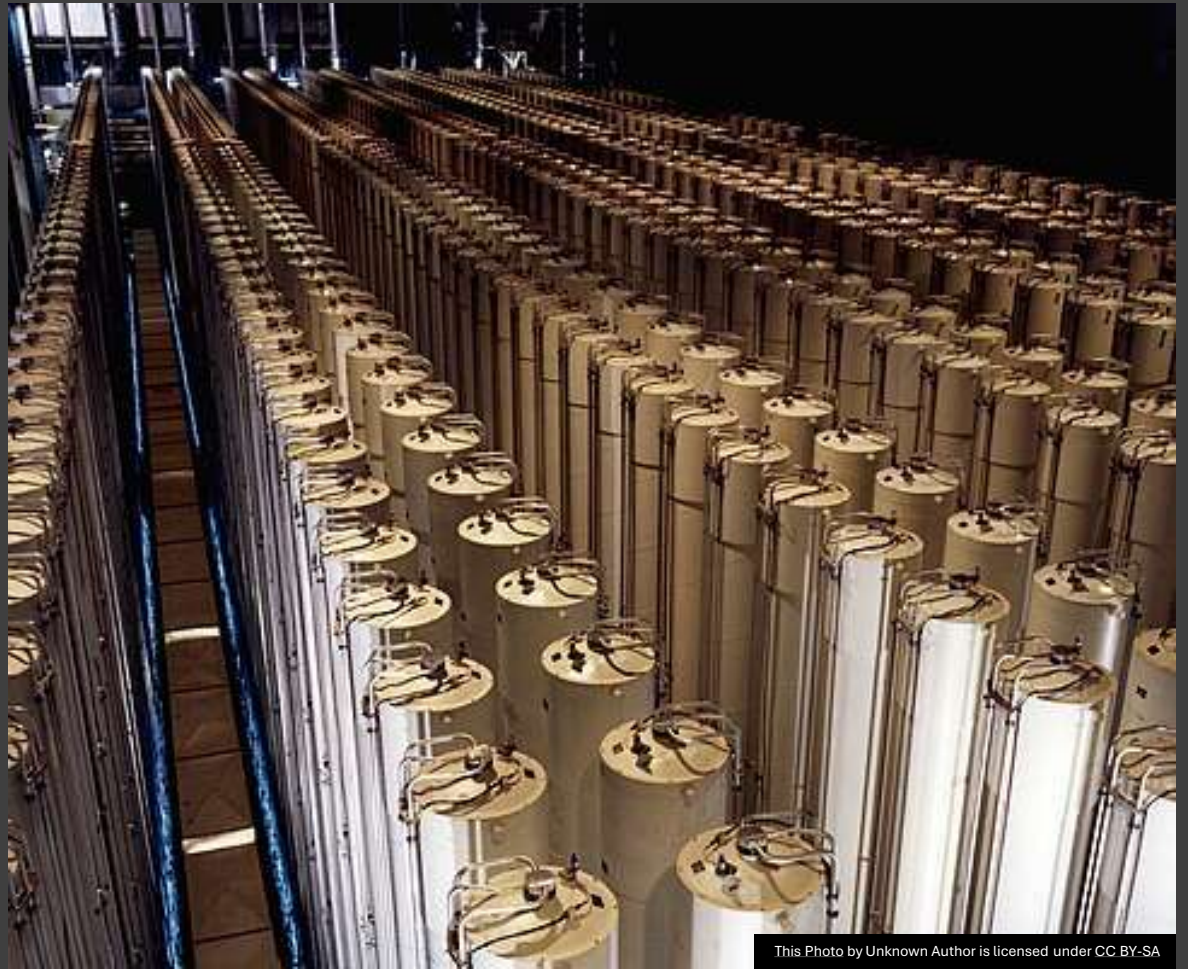
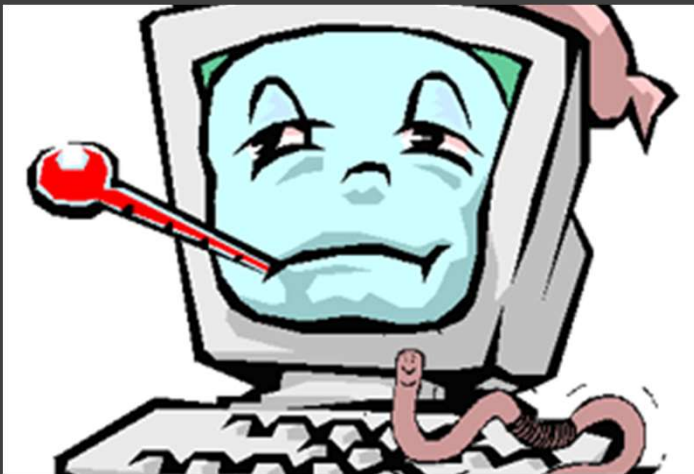


Stuxnet (2010)

What Happened?

- Stuxnet was a computer worm that caused physical damage to Iran's nuclear centrifuges
- The attack specifically targeted Iran's nuclear program
- Type of attack: as a sophisticated nation-state attack



This Photo by Unknown Author is licensed under CC BY-SA

Stuxnet (2010)

What Was the Impact?

- Stuxnet destroyed approximately 1,000 centrifuges, disrupting Iranian nuclear enrichment operations.
- There were significant operational disruptions, but no major financial or data losses
- Recovery took over a year to fully restore operations



This Photo by Unknown Author is licensed under CC BY-SA



Stuxnet (2010)

Why It Matters?

- Stuxnet demonstrated that cyberattacks can cause significant, real-world physical damage.
- It revealed vulnerabilities in industrial control systems (ICS) and antiquated technology in critical infrastructure.
- The attack underscored the need for better security practices to protect ICS and critical infrastructure from similar threats.