

Drone and cyber-attack to the port and power production sites

Involves 3 CIs:

Port of Bordeaux



EDF



Hydro Power Plant in Croatia (HEP)



Brief scenario description and cascading effects:

- Cyber attack on security surveillance to access the control system of multiple power production sites
- Physical attack through explosives with air and maritime drones in the port. Oil tankers are on fire, spilling oil.
- Attack in power production sites, using explosives carried by drones cause human casualties and power loss
- Hackers block the access to the power production buildings, hampering any rescue operation by firefighters.
- The power production loss affects other CIs, such as ports and telecommunications with rescue teams.
- The terrorists disseminate false information on social networks, generating panic

Response from PRAETORIAN:

- The CSA system detects the attacks on the power production network and generates alarms. The PSA system detects the approach of air and maritime drones on the production sites and ports and triggers alarms.
- The HSA system correlates the events and predicts a combined attack to the power production sites and ports and estimates the cascading effects on all related CIs. Mitigation actions are triggered.