# LATENT VULNERABILITIES

CRITICAL INFRASTRUCTURE PROTECTION **HSI** Industrial Skills — Reliability Matters



EXAMPLE 1

# Physical Security

Ineffective alarm configurations left physical access points vulnerable

EXAMPLE 2

## Electronic Access Failures

Unauthorized users accessing sensitive information due to failure of access controls

EXAMPLE 3

internal controls

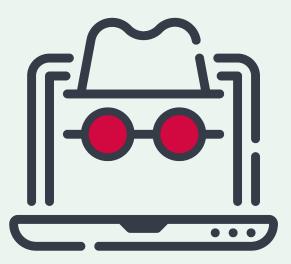
- Entities have improved cyber security and

## Shared Accounts Issue

Multiple users with unauthorized backend access due to a lack of understanding of the system's technical architecture



### Suggestions for Improvement



#### **Enhance Detective Controls:**

- Allocate resources for developing, testing, and executing detective controls
- Ensure alarms and alerts function correctly

### Conduct Regular and Sufficient Testing of Detective Controls:

- Test to ensure alarms and alerts from substations function from end-to-end

#### **Periodically Scrutinize Design of Existing Controls:**

- Think about scenarios the controls may not address

#### **Conduct Appropriate Internal Audits and Assessments**

- Perform targeted internal audits and assessments
- Train internal experts to search for latent vulnerabilities
- Use peer reviews to identify overlooked issues

#### **Leverage Security Assessments:**

 Use internal vulnerability assessments, third-party security assessments, and penetration testing to detect and correct vulnerabilities



