# CYBER

## SECURITY

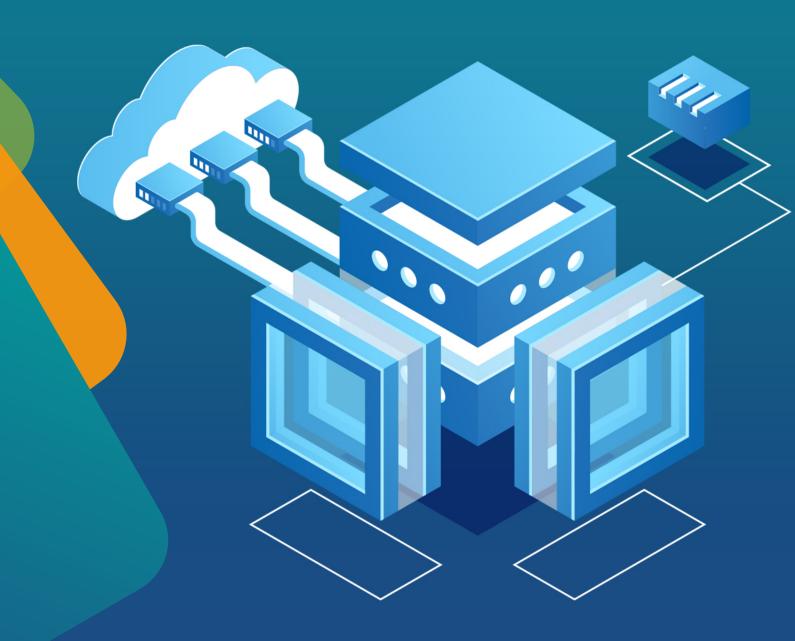
Cyber Security risk of O&G in Kuwait
(OT perspective)

By Ahmad Safar



### AGENDA

- 1 What is Cyber Attack?
- 2. Cyber Security Factors
- 3. **IOT**
- 4. What is OT?
- 5. Cyber Security Rsks
- 6. Cyber Security weak chain.

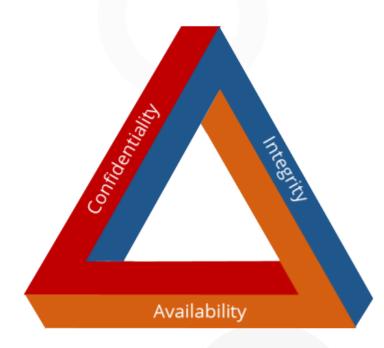


 Deliberate exploitation of computer systems and networks.

• The use of malicious code to alter computer systems.

 Unauthorized compromising of data leading to cybercrimes.

# What is Cyber Attack?



## Cyber Security



Cyber Security depends on Three Factors:



IOT

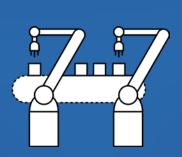


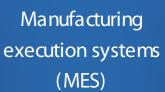
# What Is Operational Technology (OT)?







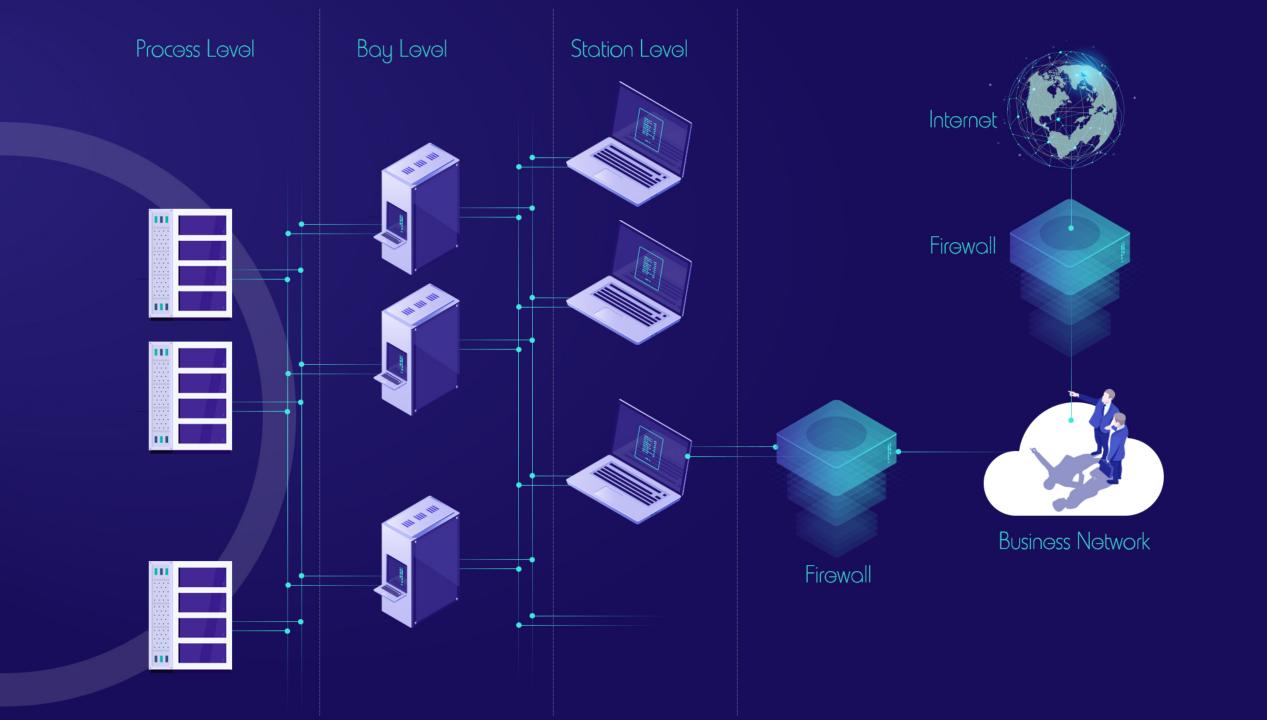












#### RISKS









Design & Function
Differences









## Security Types











**OT Security Services** 

### Human Factor

Most security breachesoccur as the result of human intent or error.

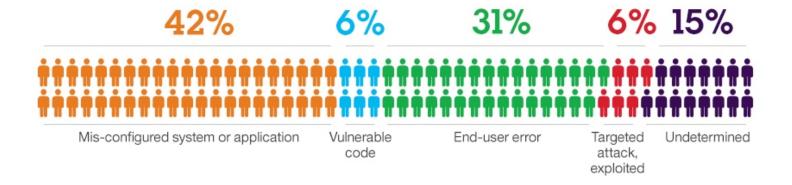
(IBM Corp., July, 2013)





#### The Human Factor: How Breaches Occur

Many elements can contribute to the vulnerability of your organization, however none is more prevalent than the human factor, **which accounts for approximately 80%.** 



#### **Human Factor**

The three categories of human error behavior are:

- Still-based Errors
- Rule-based Errors
- Knowledge-based Errors



## Summary



OTRsksare highly demanding and unavoidable without Human Resources resilience.