

*What  
Cybersecurity  
Means for the  
Power Generation  
Industry*

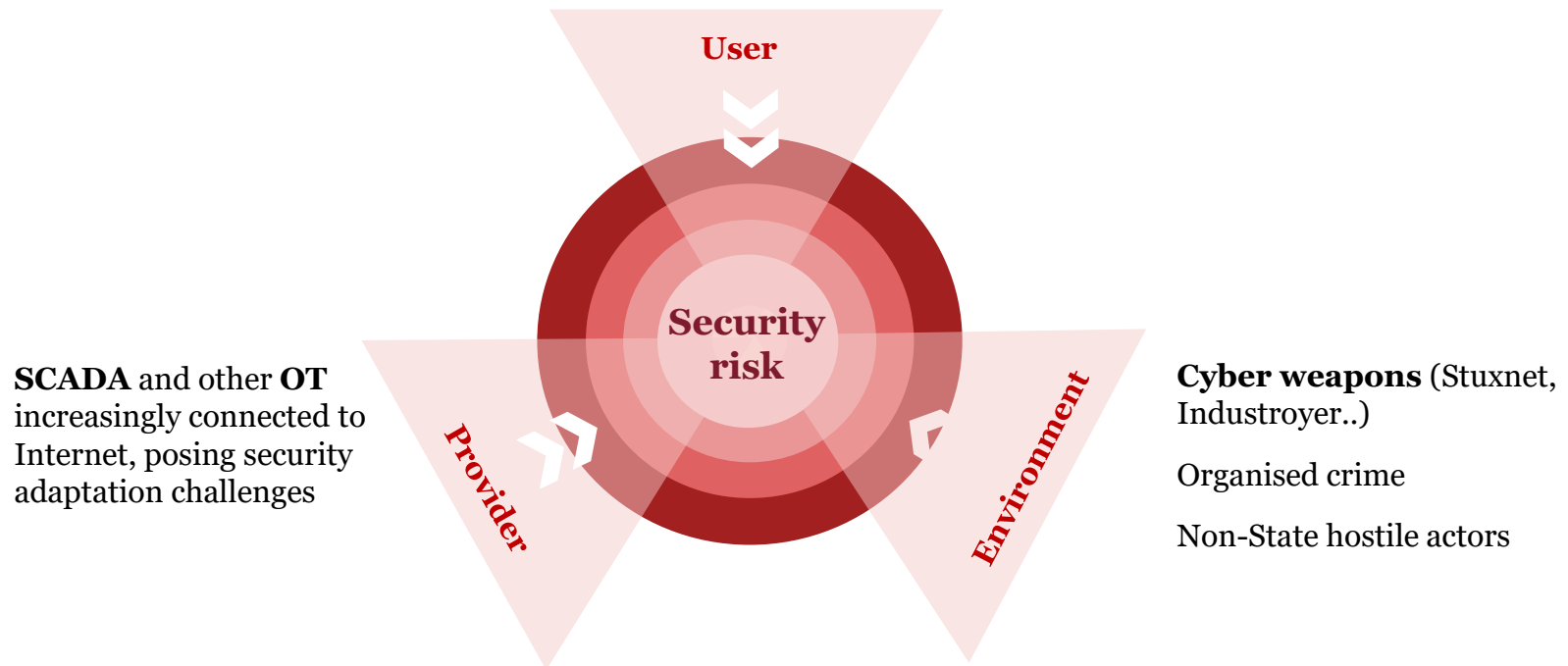
Webinar panel  
discussion  
*October 2018*

# ***What does cybersecurity mean for the power generation industry? A GRC-based approach***



# *Security risk trends in the power and utilities sector*

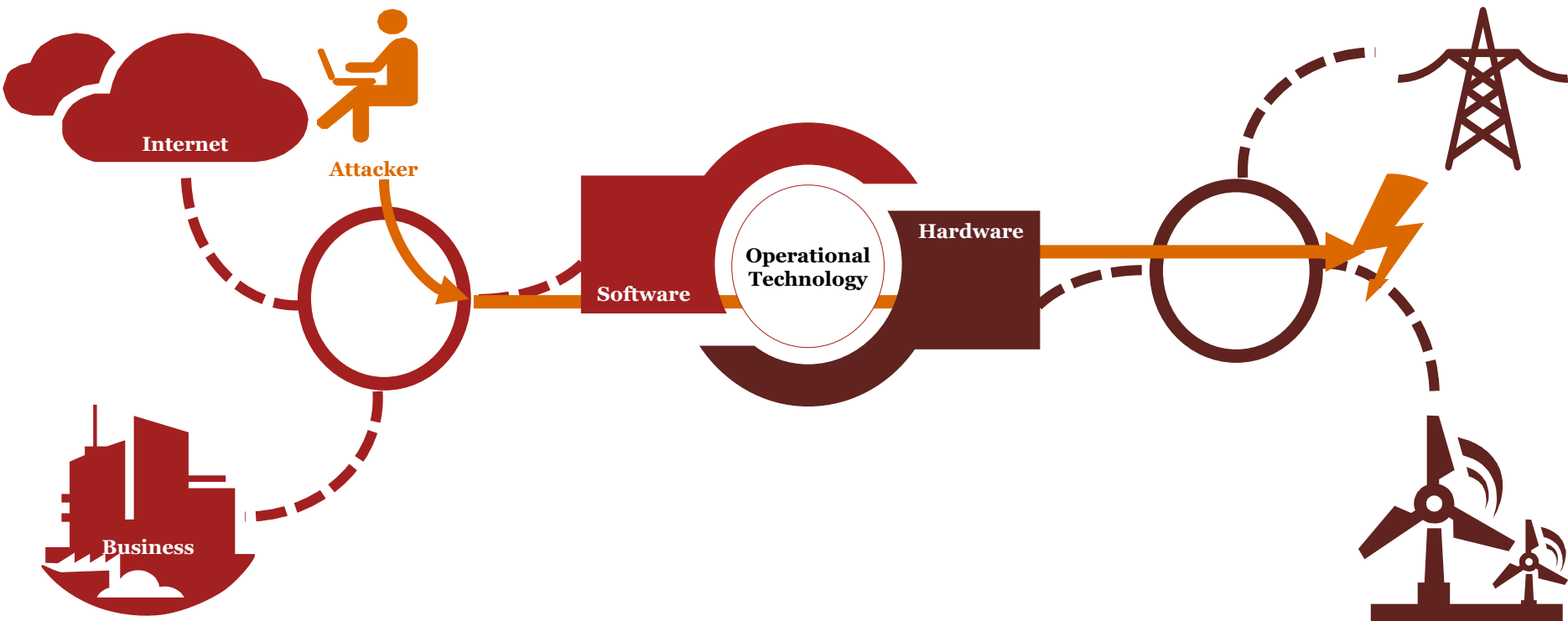
40% increase in energy consumption by 2020, meaning **growing dependency of society** on uninterrupted electric supply



# *OT defines cyber risk in the power generation industry*

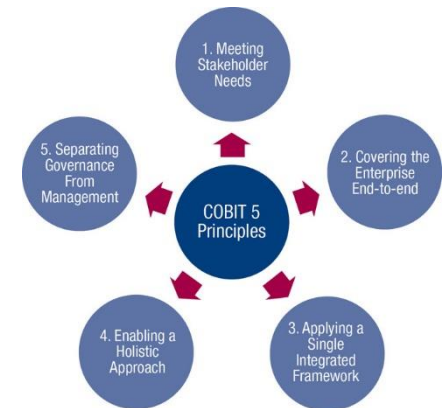
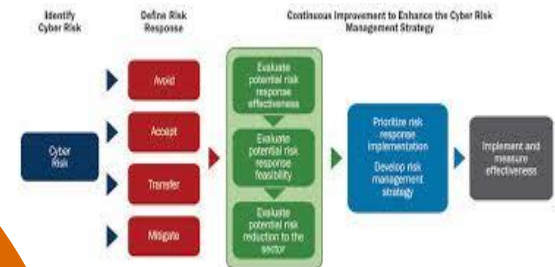
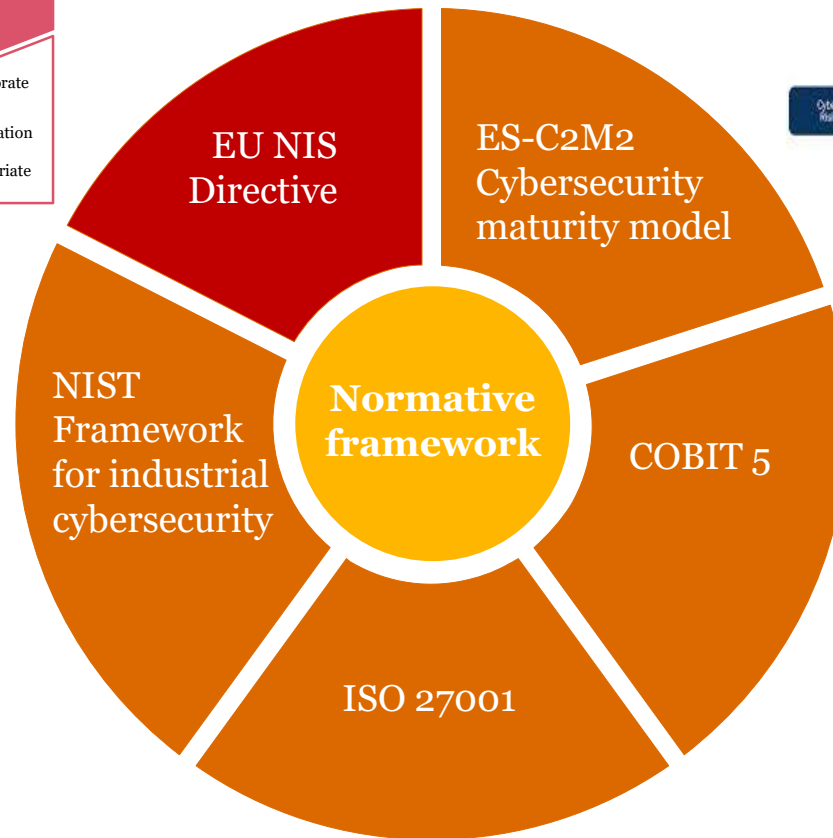
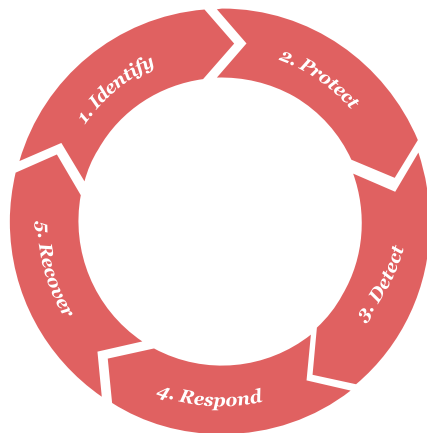
## Cyberspace

## Physical space



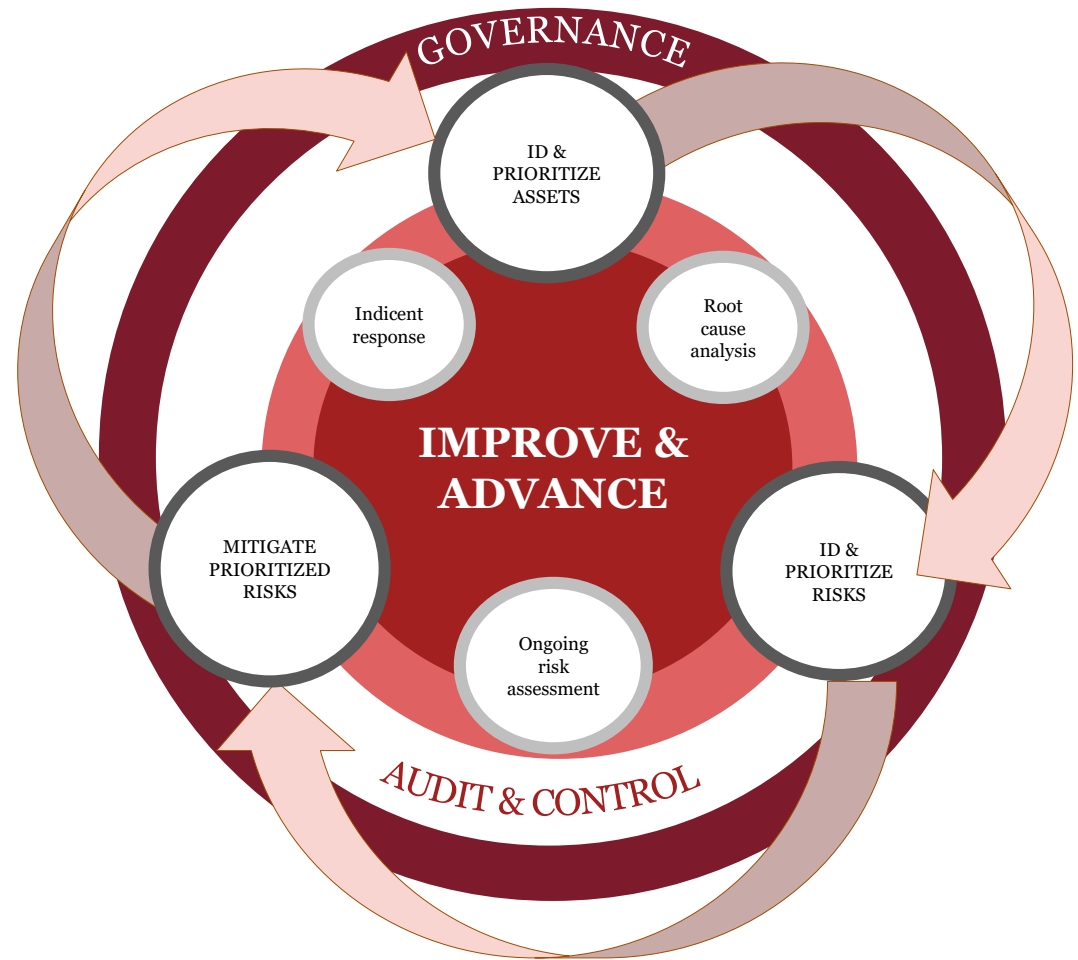
# Compliance: how regulators respond to risk on critical infrastructure

State	Companies	Both
<ul style="list-style-type: none"> <li>• Strategy</li> <li>• CERTs</li> <li>• Point of Contact</li> </ul>	<ul style="list-style-type: none"> <li>• Notify incidents</li> <li>• Manage risk</li> </ul>	<ul style="list-style-type: none"> <li>• Collaborate</li> <li>• Share information when appropriate</li> </ul>



# ***Governance: how organisations adapt to minimise and control security risks***

Enterprise Risk  
Management (**ERM**)  
+  
**Security**  
=  
**Enterprise Security  
Risk Management  
(ESRM)**



# Conclusions

## Cybersecurity is a key issue for the power generation industry

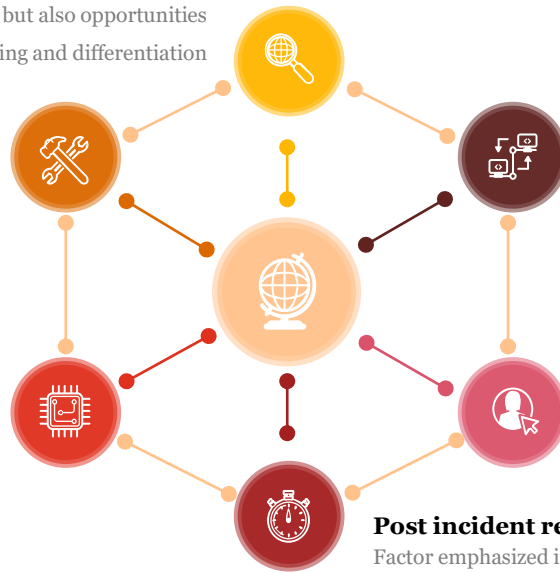
Growing source of threats and risks, but also opportunities  
for branding and differentiation

## Trend points to **holistic Security Governance**

Coordinated high-level management of IT, OT and  
Physical Security, aligned with business and risk

## Highly **specialized security skills** and staff needed

Skills and knowledge need to combine specialization with  
a more superficial holistic security literacy



## OT defines threats and risk for industrial setups

Industrial control systems need to be protected against  
cyberattacks

## Disruptions affect clients & society directly

The potential effects of cyberattacks on society have  
led to the definition of “critical infrastructure”

## Post incident recovery is key

Factor emphasized in top frameworks  
and models, security as business  
continuity enabler

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# ***Thank you!***

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