



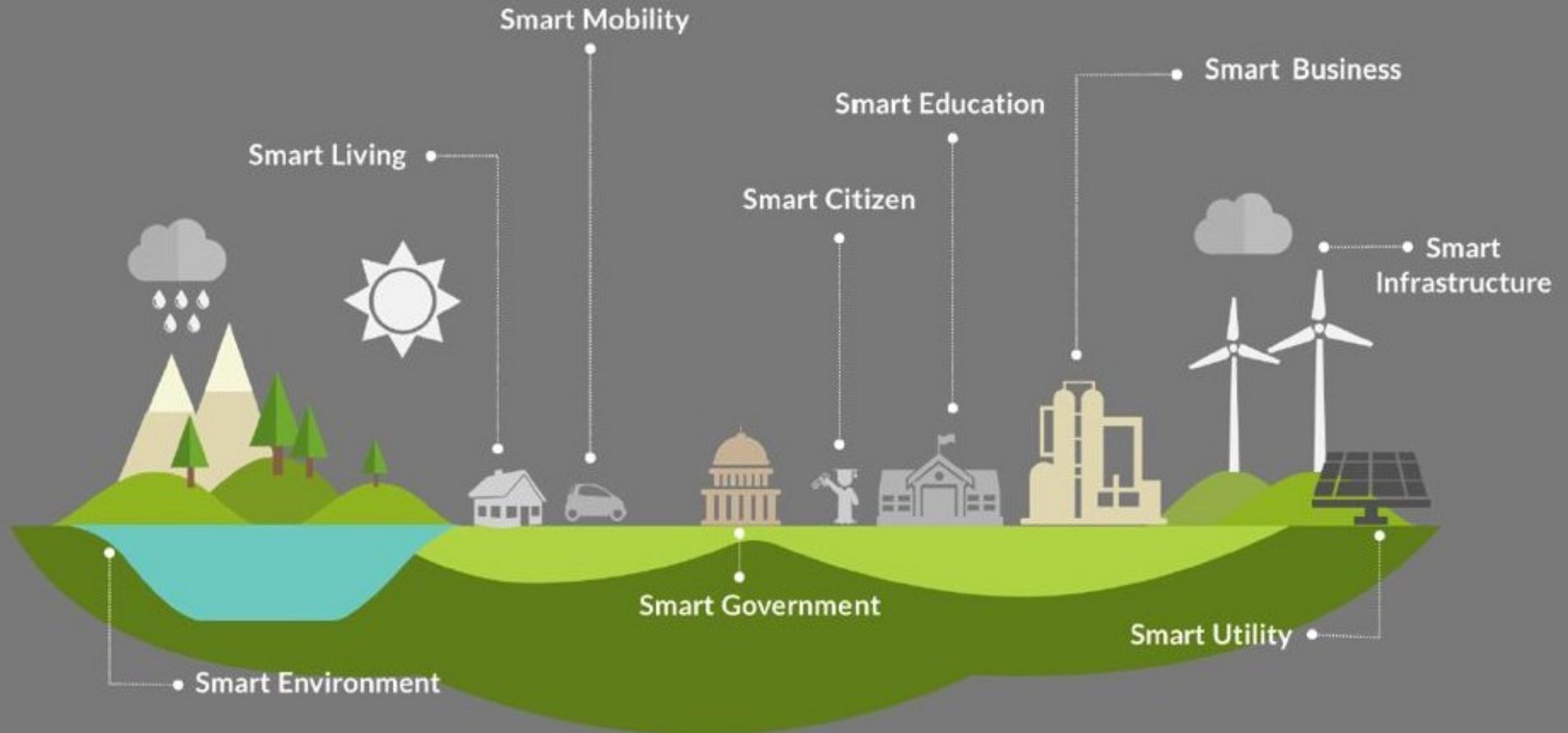
Privacy aspects of ICT Projects

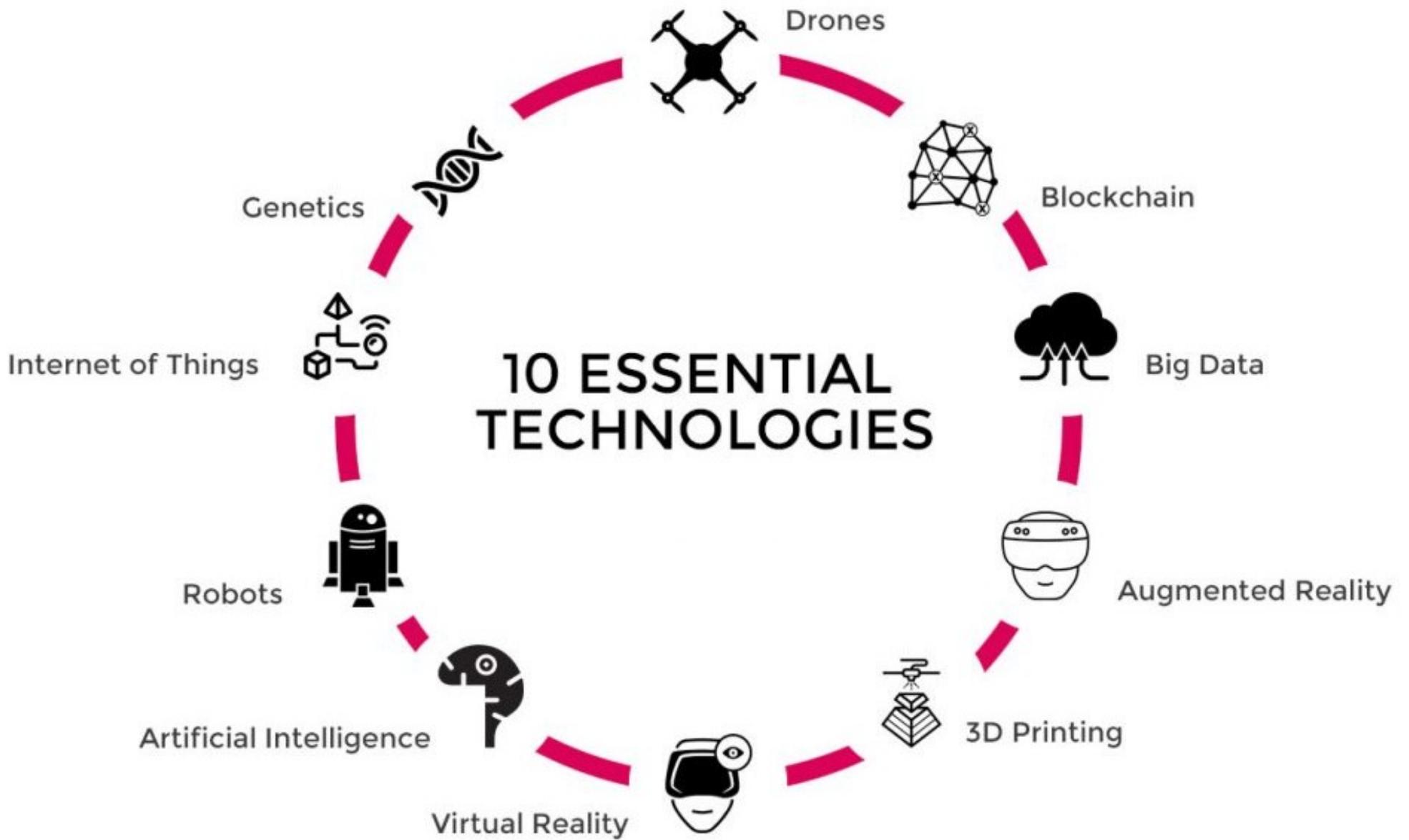
**Avinash Meeto
Senior Adviser of the Minister of
Technology, Communication & Innovation**

An aerial photograph of a tropical island. A long wooden boardwalk winds through dense green mangrove-like vegetation. The water is a vibrant turquoise color. In the foreground, there are several traditional thatched-roof huts. To the right, a sandy beach is visible with a few small boats in the water. The overall scene is idyllic and scenic.

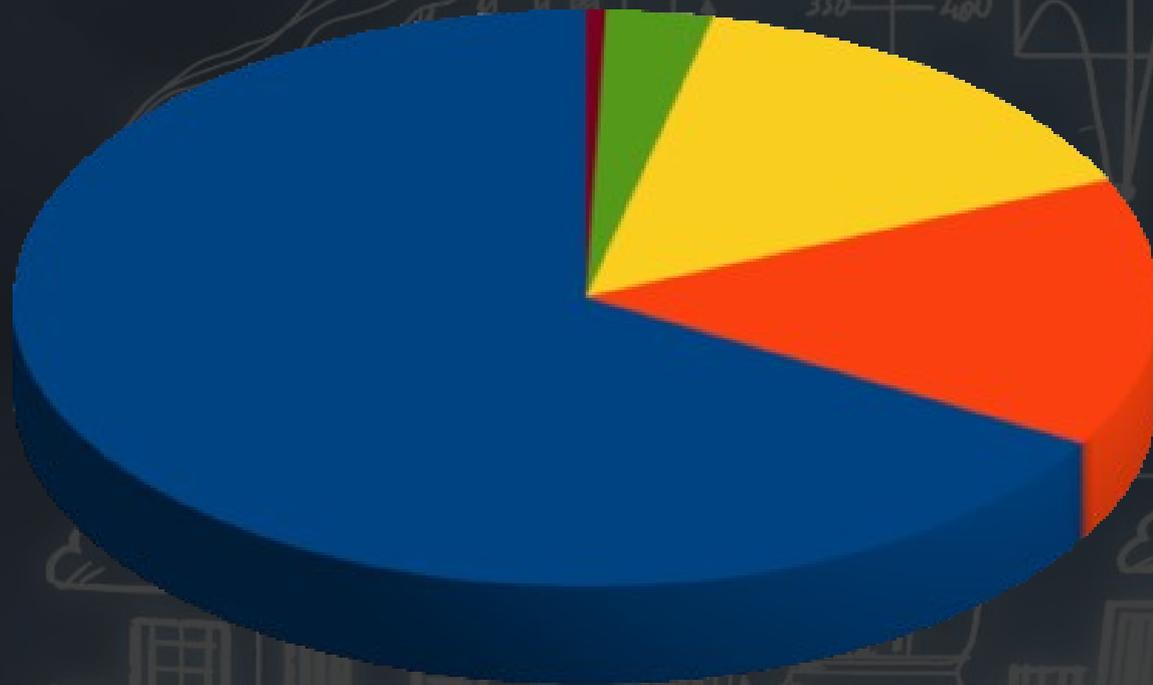
Vision 2030 for Mauritius
Become an inclusive
high-income country

Smart Mauritius





Software, Hardware and Data are eating the world



- Software Engineering (66%)
- IT Infrastructure (15%)
- Big Data (15%)
- Digital marketing (3%)
- Electronics (1%)

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Linked 

Major technical challenge

How to build computer systems which use personal data while protecting an individual's privacy?

**CHALLENGE
ACCEPTED**

Two technical solutions
Computer & Information security



COMPUSEC

Computer Security

The protection of computer systems from the theft of or damage to their hardware, software or electronic data as well as from the disruption or misdirection of the services they provide



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Vulnerabilities & Attacks

- Social engineering
- Direct-access attacks
- Eavesdropping
- Phishing
- Backdoor
- Denial-of-service attack
- Privilege escalation



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Countermeasures

Security by design
(principle of least privilege)

Security measures
(access control, two-factor authentication, cryptography, firewalls, intrusion detection)

Hardware protection

Secure operating systems

End-user training

Incident response planning

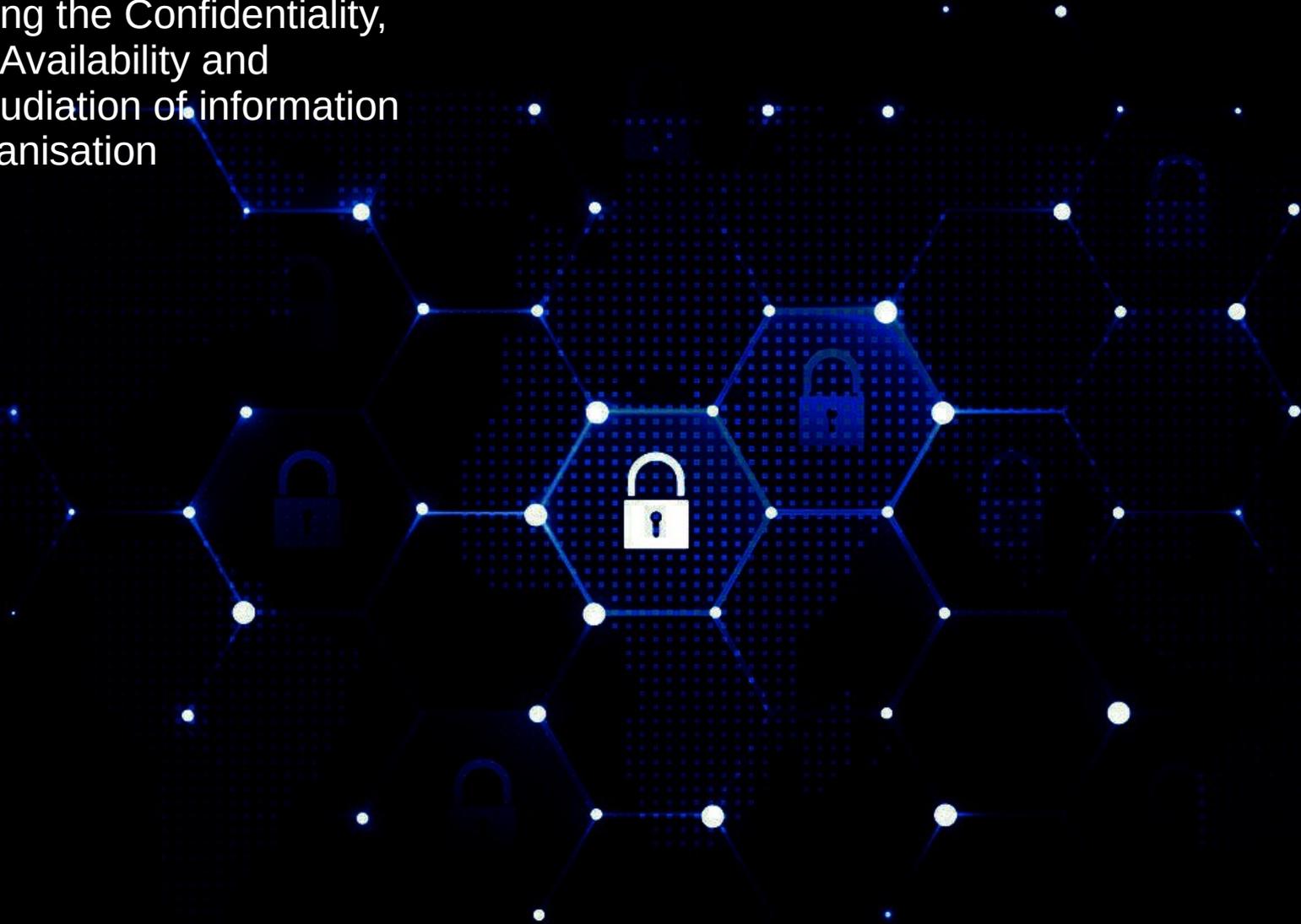




I N F O S E C

Information Security

Maintaining the Confidentiality, Integrity, Availability and Non-Repudiation of information in an organisation



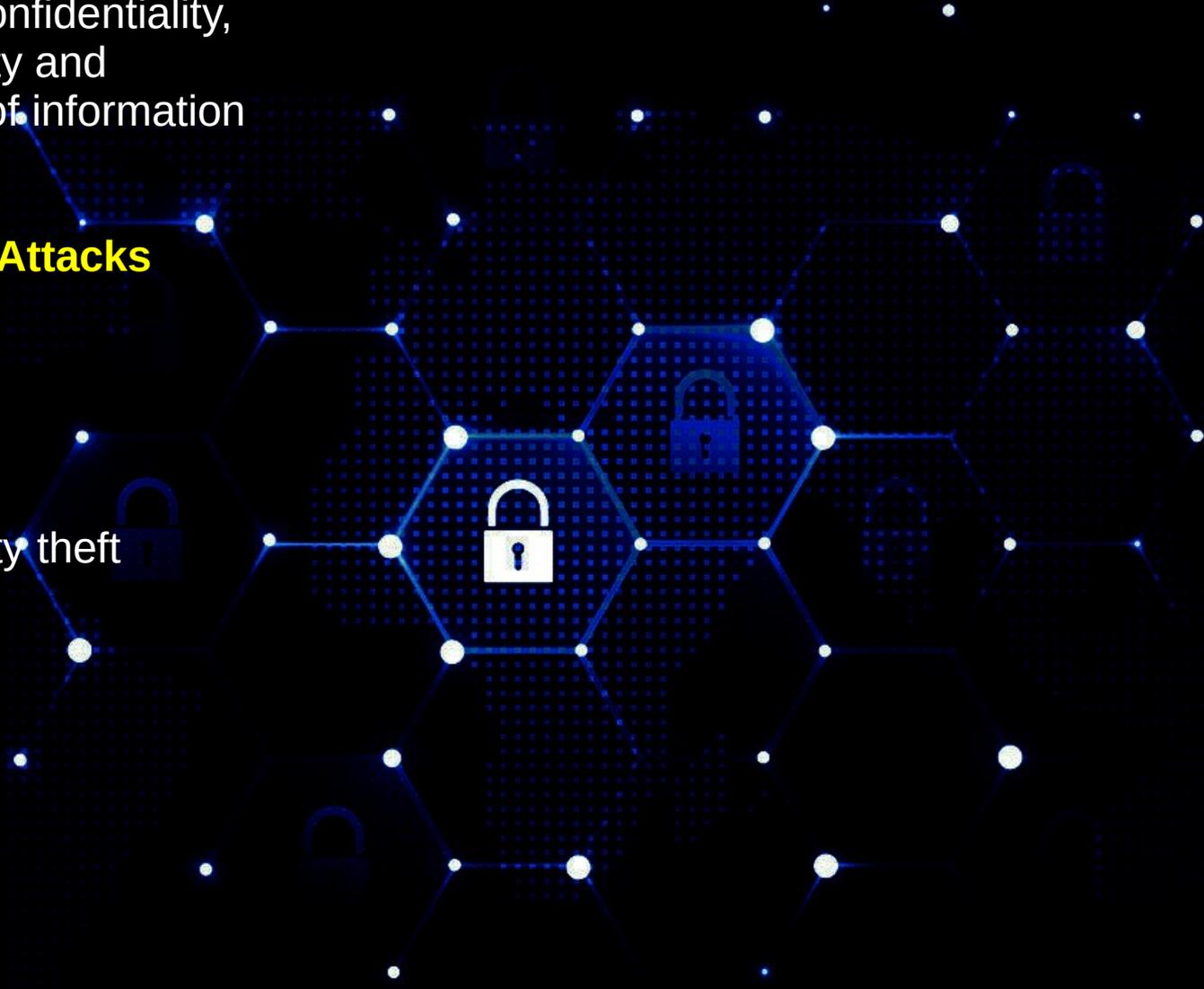
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Equipment theft
Software attacks
Identity theft
Intellectual property theft
Sabotage
Extortion



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Countermeasures

Security policy
Human resources security
Physical security
Data security
Network security
Asset management
Business continuity management

+ Regulatory compliance

INFOSEC



THANK YOU

*your
contribution
counts*

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