

Workplace and Facilities Expo 2020 Presentation

How Artificial Intelligence (AI) is changing Security, Facilities and the Workspace

in conjunction with the

and



Introduction

- **Good Afternoon**
- **Security & Risk Management**
- **Designing and assessing security systems**
- **Fascinated by technological changes**
- **Emerging and converging technologies**
- **The latest technological advance is AI**



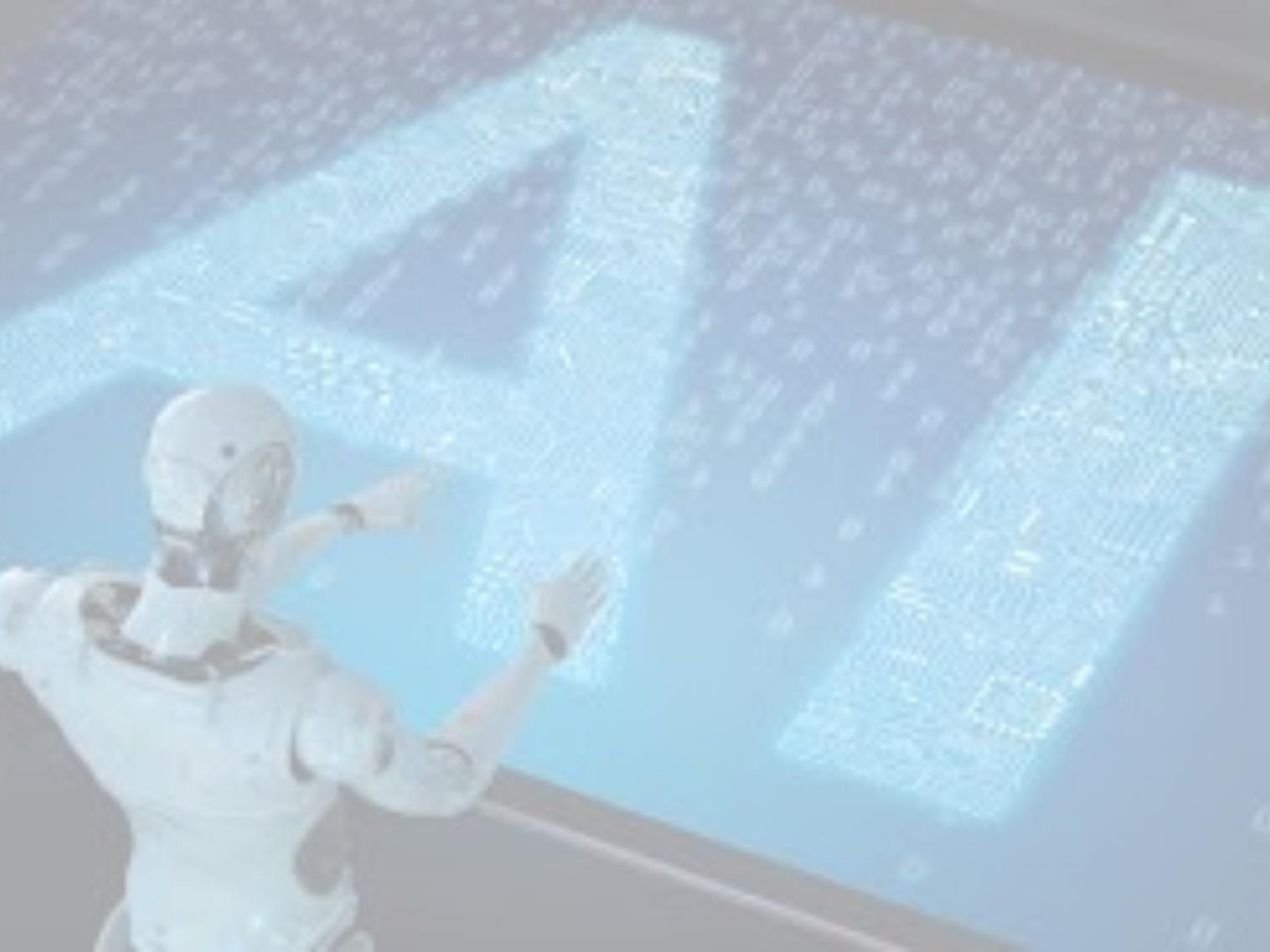
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Background to AI

- **Artificial intelligence (AI) is the ability of a computer program or a machine to think and learn.**
- **It is also a field of study which tries to make computers "smart" so they work on their own without being encoded with commands.**
- **John McCarthy came up with the name "artificial intelligence" in 1955.**



AI - wishful thinking or fact?

- **Systems in Isolation**
- **Systems interacting with other systems**
- **AI is changing how we think of systems**
- **AI is changing how buildings are designed**

AI in the Security Industry



- **Security Robots**
- **Capturing Data from existing systems**
- **Getting value from the existing data**
- **Using systems to manage operations**
- **Video Analytics maximising detection**

AI in Facilities Management

- **Managing Plant and Equipment**
- **Doing things differently**
- **Efficiency of the workforce**
- **Reactive (to data) Maintenance**

AI in the Workspace

- **Space management**
- **Staff management**
- **Service efficiencies**
- **Energy and resources management**

Example of AI in practice

- In the workspace all operations have an element of risk
- Deploying people to oversee operations is costly and invasive
- AI in CCTV Systems can provide more than just security it can be used to look for unusual behaviour in relation to operations and this can be used as training talks for staff to mitigate risks. (Video Clips)

Converging Technologies and applications

- Many Systems currently act in Isolation
- AI is changing how we think of systems
- AI is changing how buildings are designed
- AI will change how buildings will function
- AI is changing building maintenance

The future is not far away

- **Interconnected systems**
- **Virtually endless possibilities**
- **Maintenance as a Service (MaaS)**
- **Using AI will enhance the service offering**

Summary

- **What has restricted development of AI**
- **Moore's Law – double memory in 2 years**
- **First Smartphone (Android/ iPhone)**
- **Speed of change will be faster for AI**
- **Ignore it at your peril it's a game changer**



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Martin  Stairs

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Thank you

- Any Questions
- Contact Details
- martin@securityconsultant.ie



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