Evolution of UK Manufacturing

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4IR  AI  AI
IoT  CPS  5G
VR  Big Data
AR  IIoT
Cyber
Blockchain
NUMBER OF YEARS IT TOOK FOR EACH PRODUCT TO GAIN 50 MILLION USERS:

- Airlines: 68 yrs
- Automobiles: 62 yrs
- Telephone: 50 yrs
- Electricity: 46 yrs
- Credit Card: 28 yrs
- Television: 22 yrs
- ATM: 18 yrs

- Computer: 14 yrs
- Cell Phone: 12 yrs
- Internet: 7 yrs
- iPods: 4 yrs
- YouTube: 4 yrs
- Facebook: 3 yrs
- Twitter: 2 yrs
- Pokémon Go: 19 days

Source: Steemit
WHAT IS THE STRATEGIC AMBITION OF UK MANUFACTURING?

68% expecting to boost productivity
42% aiming to improve profit margins
62% hoping to increase UK sales

35% Improved labour efficiency
34% Improved machine utilisation rates
32% Increased production flexibility
28% Better use of resources
27% Faster time to market
MANUFACTURING: STEPPING UP TO THE SUSTAINABILITY CHALLENGE
#GenZ

Digital migrants  Digital natives
CYBER SECURITY FOR MANUFACTURING

- 24% Yes, however our cyber security processes prevented any business impact
- 51% No
- 35% Manufacturers inhibited from fully investing in digital due to cyber-security concerns
- 30% Unsure
- 2% Prefer not to answer
- 24% Yes, we have sustained financial or other business losses due to cyber attack
PHASE 1: CONCEPTION

27% of firms are here

How can it help?

What is this?

What are others doing?

PHASE 2: EVOLUTION

39% of firms are here

Current business practice

Optimised with technology

PHASE 3: REVOLUTION

4% of firms are here

Step change in how value is derived

30% of firms are in the "pre-conception" phase - doing nothing on 4IR

UNDERPINNED BY COMPANY STRATEGY AND AMBITION
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