

FLEET





LOGISTICS



LIVESTOCK



CROPS



ENVIRONMENT



# A SHIFT FROM AUTOMATION TO DIGITAL FUSION

MECHANISATION

Steam power

Weaving loom

1784



MASS PRODUCTION

Assembly line

Electrical energy

1870



AUTOMATION

Computer

Electronics

1969



DIGITAL FUSION

Cyber-physical systems

Internet of things

TODAY

# A GLOBAL PHENOMENON

**70%**

Of Fortune 100 Companies  
are actively using the IoT in  
their businesses

**61%**

Of these companies are  
investing in IoT-enabled  
products and services

**67%**

Of European Manufacturers  
are undergoing a Digital  
Transformation process

**\$14.2T**

Will be added to Global GDP  
through improvements from  
IoT by 2030







# **WHAT, HOW AND WHERE WE CONNECT ARE CHANGING**

**Billions of devices**

Not thousands

**Decentralised Computing**

Edge, not cloud

**Ubiquitous connectivity**

Anything, anywhere

# **HYPER-CONNECTED WORLD**

**Data-driven  
efficiency**

**Ultra-low cost  
hardware**

**Connected  
by default**

**Ubiquitous  
connectivity**

**Free IoT  
services**

# CONNECTED BY DEFAULT

Hardware +  
Software +  
Compute power +  
Connectivity

VS.

A smart connected thing



# SATELLITES ARE NOW SMALLER, CHEAPER AND FASTER TO BUILD



WORLDVIEW-3  
2,800 kg  
5 year build  
\$350,000,000



LANDSAT 8  
2,071 kg  
10 year build  
\$1,000,000,000



SKYSAT  
100 kg  
2 year build  
\$5,000,000



Fleet  
24 kg  
3 month build  
\$1,500,000



# OLD SPACE







**NEW SPACE**



# CONNECTING REMOTE FARMS





# WATER TEMPERATURE AND QUALITY





# IMPROVING WINE FROM SPACE





**INTERNET OF THINGS**

**\$1T by 2025**



**EARTH OBSERVATION**

**\$1.7 B by 2025**



**PRECISE POSITIONING**

**\$8B by 2020**





**TIME FOR AUSTRALIA IN SPACE**



A rocket is shown in the process of launching from a grassy field. A massive, billowing plume of white smoke and steam rises from the base of the rocket, partially obscuring the launch pad. The rocket itself is a slender, white vehicle with a black nose cone and a black band near the top. It is positioned vertically in the center of the frame. In the background, a bright sun is visible, creating a strong lens flare effect that illuminates the scene. The sky is a mix of blue and grey, suggesting an overcast day. The foreground consists of a green grassy field with a paved road leading towards the launch site. To the left, a small white structure and a tall antenna are visible on the horizon.

**80+ Space Startups**



**CONNECT EVERYTHING**