

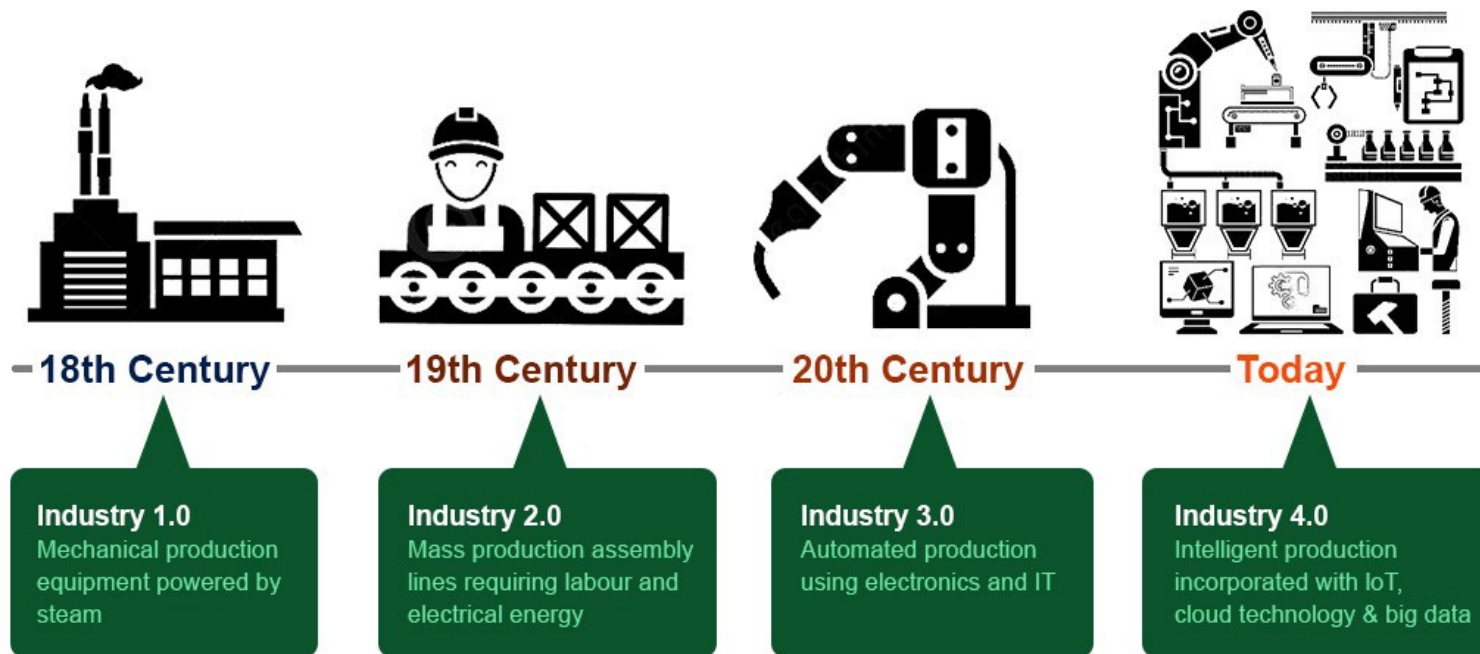


# NDE 4.0

## NDE/NDT Data Management

Richard Watson CEng FInstNDT, MBCS, MCMI  
Principal Engineer - Capability Manager NDT  
January 2020

# Industry 4.0 → NDE 4.0



# NDE 4.0 @ AWE

## NDE/NDT

NDE RT, UT, ET, DR, CT, VT, PT, MT

Design for Inspection (D4I)

Interfacing

Networks

NDT/NDE data acquisition

Data types

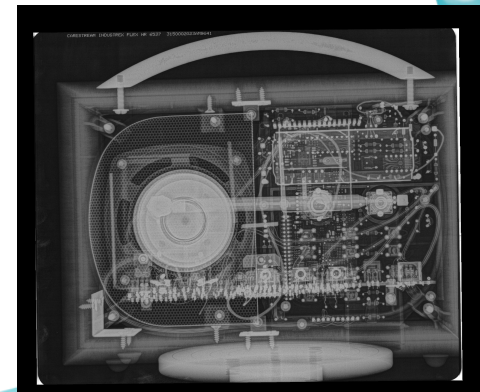
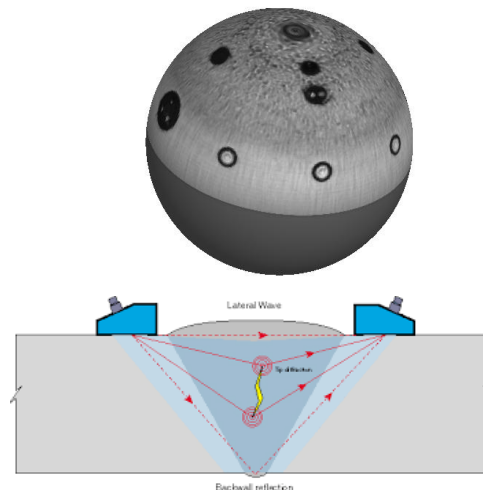
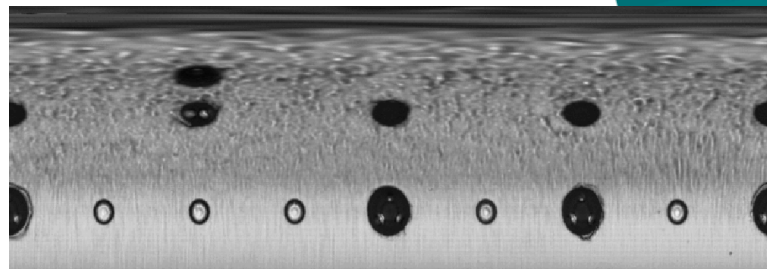
'Big data'

Protocols

'Data mining'

Data management

Product Lifecycle Management



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# Lessons Learned

Develop a strategy for NDE 4.0 data storage  
Engagement with departments (Design, Quality, IT)

## **Design for Inspection (D4I)**

‘Big Data’

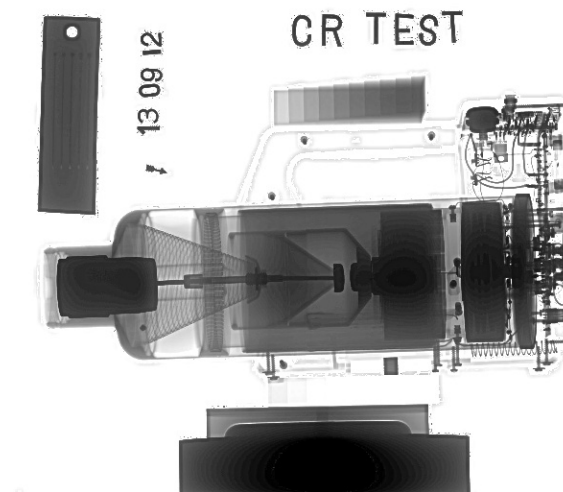
Data formats

Software tools

Certification of product

Product Lifecycle Management (PLM)

Resilience

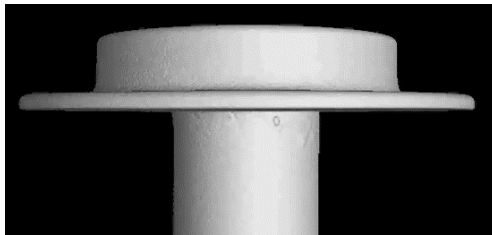
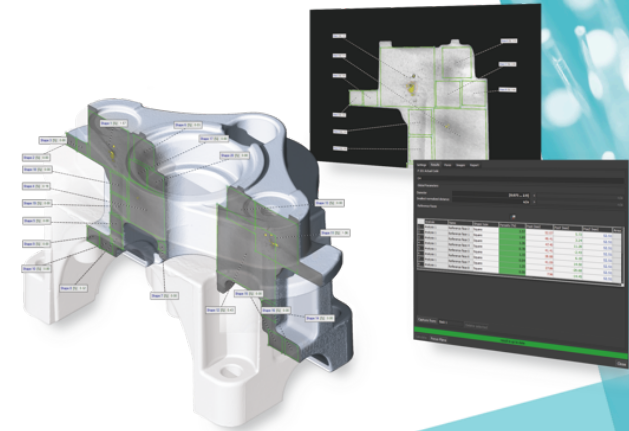
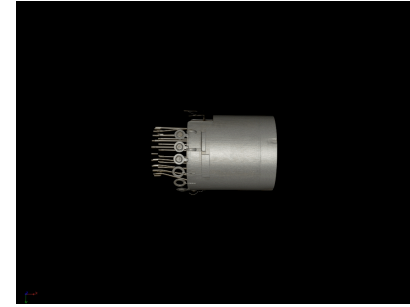


# Questions ?

OFFICIAL



- NDE 4.0
- All NDT Methods
- Digital Radiography
- CT scanning
- X-ray CT Metrology
- Certification of AM items



Richard Watson CEng, FInstNDT, MBCS, MCMI  
Principal Engineer  
Capability Manager, NDT/NDE  
[Richard.Watson@awe.co.uk](mailto:Richard.Watson@awe.co.uk)

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