

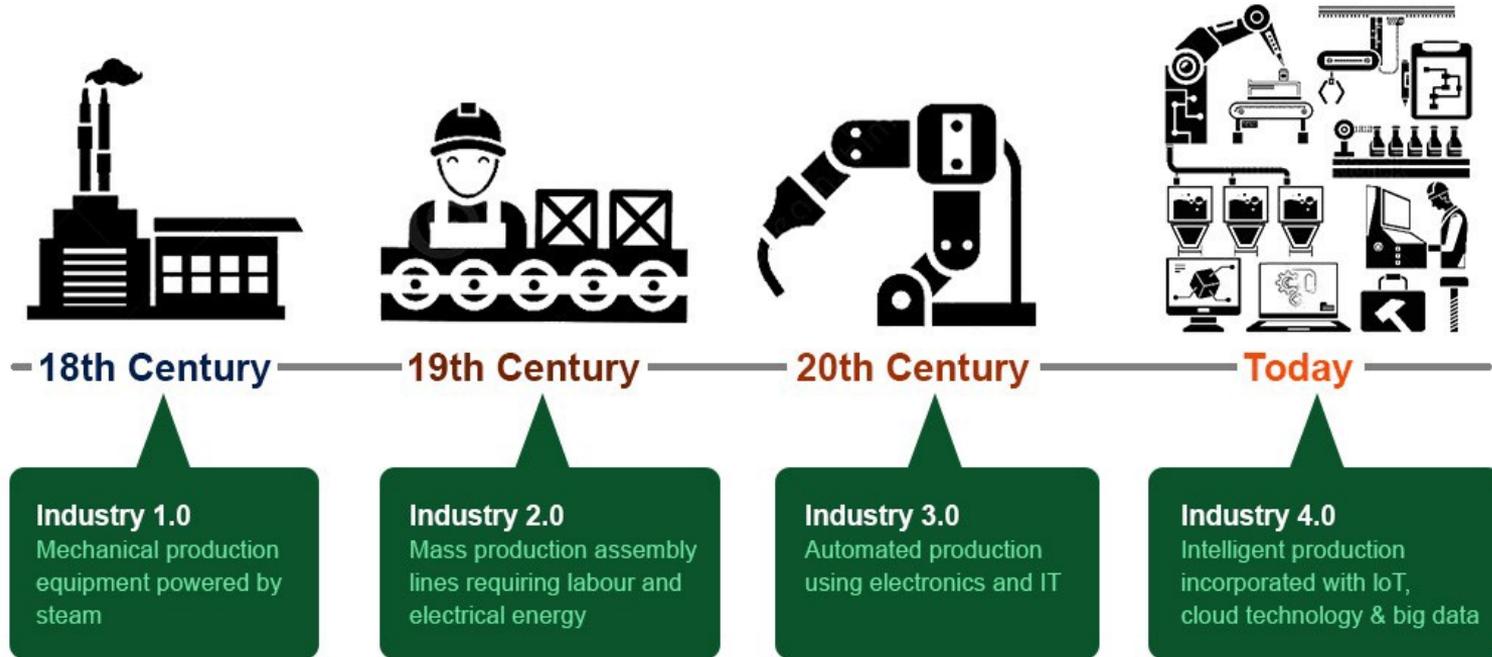


NDE 4.0

NDE/NDT Data Management

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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

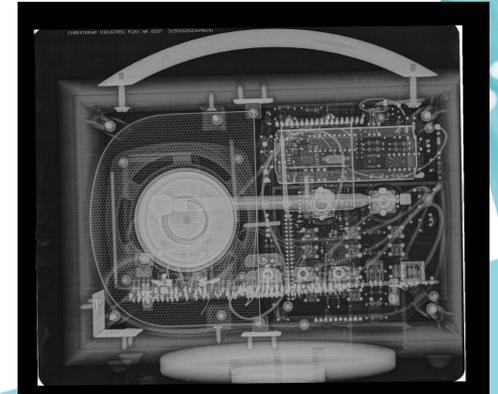
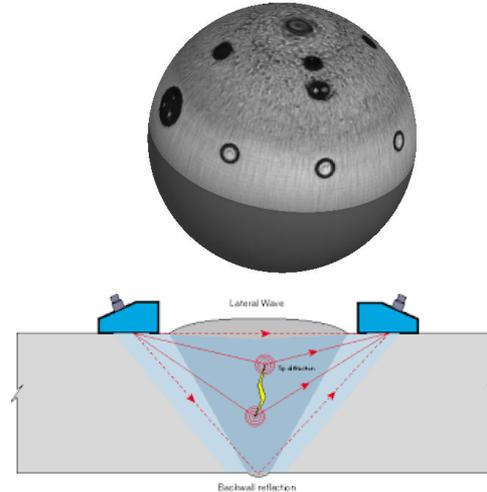
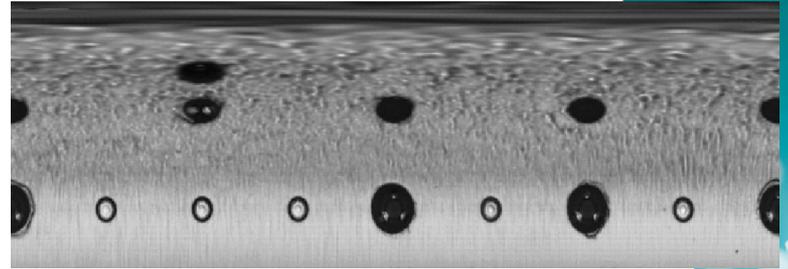
'Big data'

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’

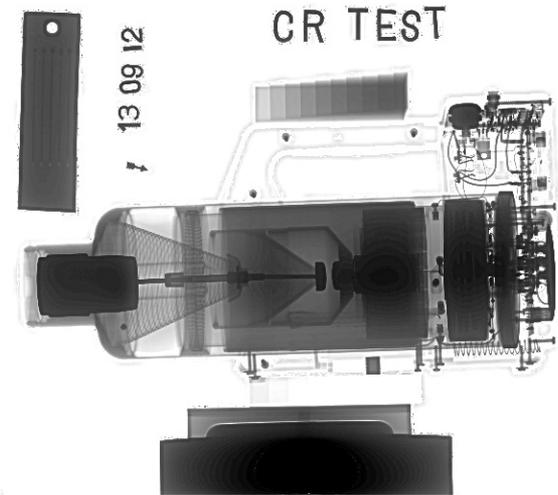
Data formats

Software tools

Certification of product

Product Lifecycle Management (PLM)

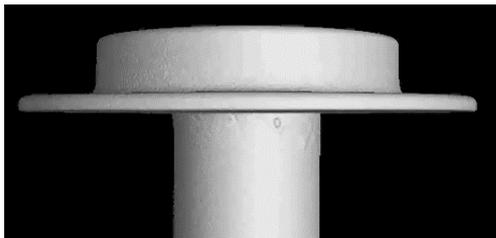
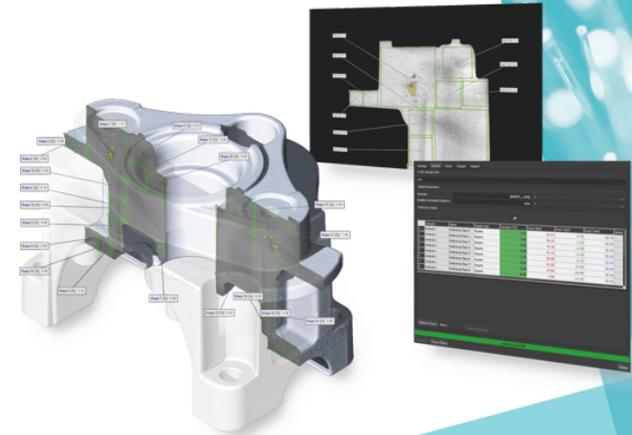
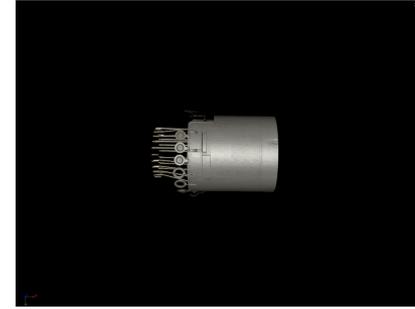
Resilience



Questions ?



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



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