

Component Manufacturing - Digital Twin

Digital Manufacturing Solution

Background

- Multiple sources of data existed leading to errors
- Digital twin was required to simulate Manufacturing process



QuEST Solution

- Created a digital twin of engine component
- Simulated metal cutting and inspection in lab environment
- Deployed solution at supplier's production shop

Benefits Delivered

- Parts realized 44% faster
- Reduced manufacturing design cycle by 30%
- Machine programming time reduced by 80%