GE Aerospace

Innovation for MRO

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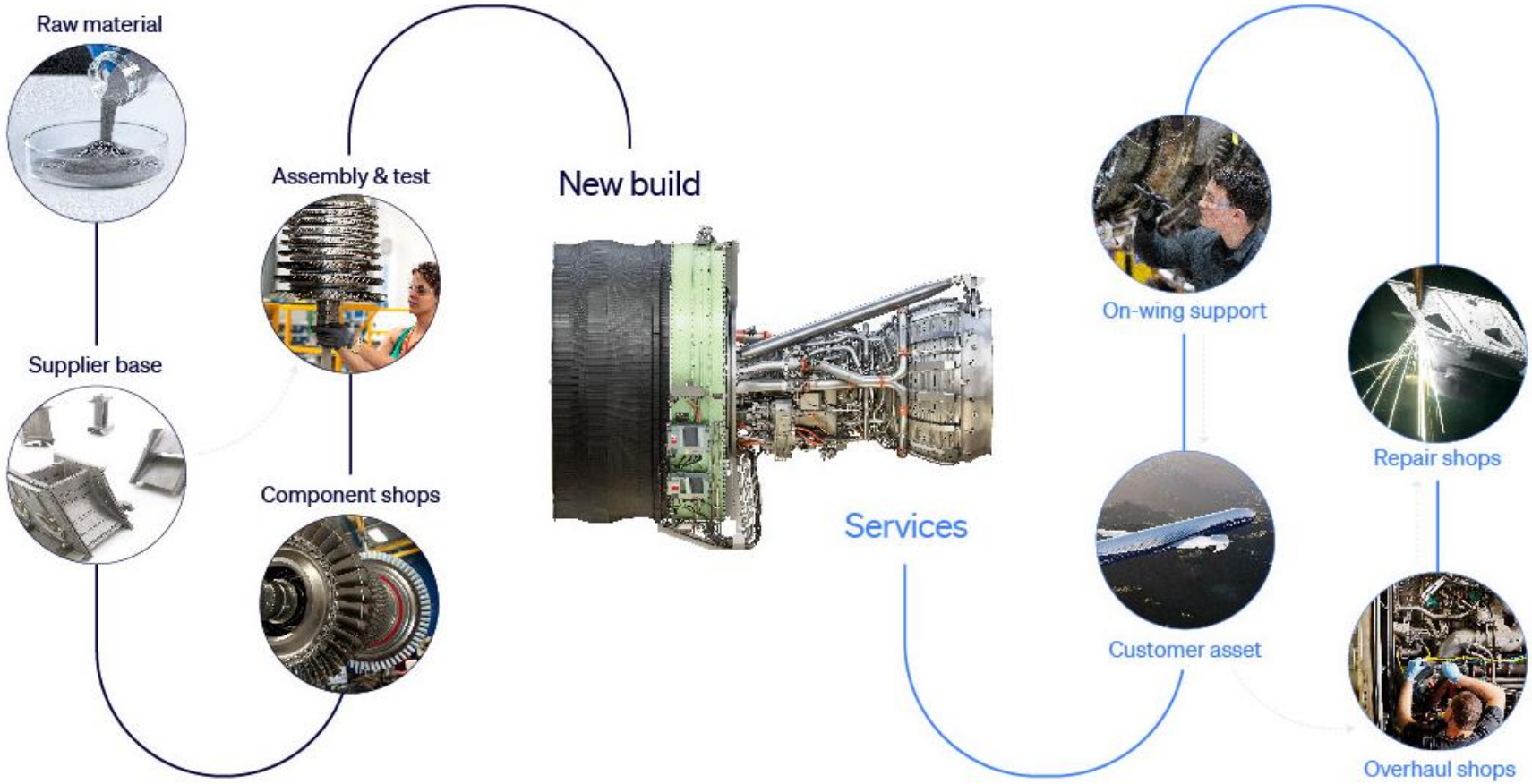
Life of an engine



Global journey

The life cycle of a jet engine starts humbly with sketches on a piece of paper, moves to prototyping and testing, and eventually, an engine ends up on-wing powering people through the sky.

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Maintenance, Repair & Overhaul network

Repair
- Cincinnati, OH
- McAllen, TX
- Miramar, FL
- Hungary
- Singapore

On-Wing Support
- CVG Florence, KY
- DFW Dallas, TX
- DOH Doha, Qatar
- DXB Dubai, UAE
- LHR London, England
- SEL Seoul, Korea

Overhaul
- Lafayette, IN
- Strother, KS
- Brazil
- Wales
- Scotland
- Poland
- Malaysia
- Taiwan

Applying AI technology to transform MRO services

On-wing: improve engine removal plan accuracy

AI-enabled Blade Inspection Tool

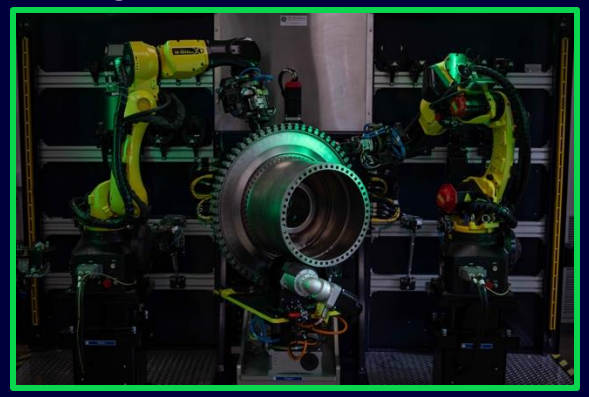
- Takes images of turbine blades & guides technicians on which images to review using machine vision-based defect recognition
- **Increases accuracy & consistency; reduces inspection times in half**

On-wing support: reduce findings at end of maintenance event

AI-assisted Engine Inspection

- Robotic borescope inspection (BSI) achieves consistent & accurate workscoping
- AI-assisted image review & report generation
- **Reduces inspector fatigue and improves first time yield**

MRO Shop: prevent inspection finding discrepancies



AI-enabled Visual Inspection

- Consistently captures 100% of a part's surface & facilitates standardized inspection process
- Generates repeatable and digitized inspection results
- **Reduces inspection time and improves ergonomics**

AI –enabled digital records enables downstream automation for remanufacturing and repairs