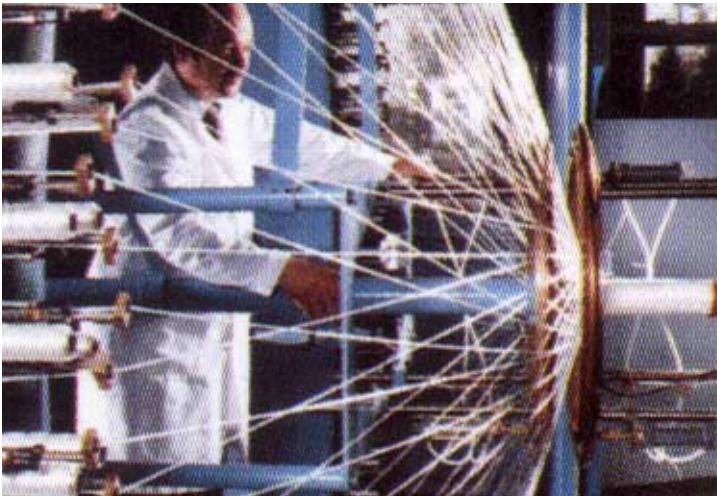




Part of GE's Aviation Business

- World leader in advanced, all-composite propeller systems
- Dedicated design, development and manufacturing facilities
- Pioneered all-composite blade technology
- Unrivalled reputation for safety and reliability
- World-wide 24 hour international support
- AS9100 Quality Management System



Dowty Propellers Company Profile



imagination at work

Technical

- Design of components utilising latest CAD and analysis tools
- Databank of material properties developed over 30 years
- Finite element modelling of non-homogeneous composite structures
- CAD-CAM generated tooling from component models
- Environmental properties of composite enhanced through application of durable coating
- EASA part 21, subpart J

Manufacturing

- Driven by lean processes
- Long term partnerships with strategic suppliers
- Highly skilled workforce
- EASA part 21, subpart G approved organization
- Dedicated manufacturing equipment including specialist RTM processes and advanced NDT equipment

Repair and overhaul

- Repair and overhaul facilities in the UK, USA and Singapore
- Full in-house repair and overhaul capabilities for both metal and composite bladed systems
- Close working relationship with OEM
- EASA Part 145 approved organization
- FAR 145 – Repair Station DQ6Y661X

Dowty Propellers Company Profile



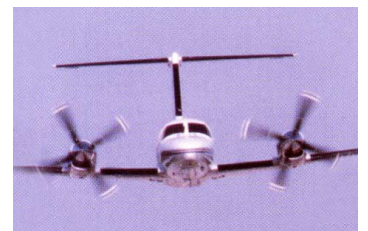
Bombardier Q400 Dash 8



Fokker 50



Lockheed Martin C-130J



Piper Cheyenne 400LS

Dowty Propellers is one of the world leaders in advanced, all-composite propeller systems with an unrivalled reputation for safety and reliability and dedicated design, development and manufacturing facilities

Product support

- Total product support package with global customer support 24 hours a day
- Network of engineers to support in-service field repairs and offer technical support
- Maximum customer support is provided through Flying Hour Agreements
- Competitive fixed price, risk sharing agreements
- Full in-house product training capability

Technology developments

- **1944** – World's first flight of turboprop propeller on Gloster Trent Meteor
- **1952** – World's first scheduled turboprop service on Vickers Viscount
- **1968** – World's first glass fibre bladed propeller for hovercraft application

- **1984** – Certification of the Saab 340, the world's first all-composite bladed turboprop aircraft
- **1987** – World's first electronic constant speed and synchrophase control system certificated on Fokker 50
- **1993** – Certification of the first full FADEC-integrated electronic propeller control system on the Saab 2000
- **1997** – Certification of the 6 bladed all-composite propeller system for the Lockheed Martin Hercules C-130J
- **1999** – Certification of the light weight, single removable blade propeller system for the Bombardier Q400 Dash 8
- **2001** – Certification of the 6-bladed all composite propeller system for the Lockheed Martin Hercules C-27J



Textron Marine LCAC



Saab 340



Lockheed Martin/Alenia C-27J



ShinMaywa US-1A Kai

Dowty Propellers
Anson Business Park
Cheltenham Road East
Gloucester GL2 9QN
UK
T: +44 (0)1452 716000
F: +44 (0)1452 716001
GE Aviation Systems Ltd

www.ge.com/aviation

