It started with 1 part … the CFM LEAP fuel nozzle

Capabilities of full production

35,000 – 40,000 per year

10,000+

PARTS SHIPPED

20 → 1

PARTS

95%

INVENTORY REDUCTION

25%

WEIGHT REDUCTION

30%

COST EFFICIENCY IMPROVEMENT

5x MORE DURABLE

LEAP is a trademark of CFM International, a 50/50 JV between GE and Safran Aircraft Engines

Source: GE Aviation
Then a system ... Advanced Turboprop

Combustor test schedule reduced from 
12 months to 6 months

5% WEIGHT REDUCTION

20% LOWER FUEL BURN

855 → 12 PARTS
GE Catalyst | Supply Chain disruption

7 → 1
ASSEMBLIES

50 → 1
SOURCES

300 → 1
PARTS

Mid-Frame
Super Structure

10+lbs
WEIGHT
REDUCTION
Accelerating the additive revolution

**ADDITIVE**
- **1** Digital twin
- **6-8** Engineers
- **1** Manufacturing source and inspection system
- **1** Data lake powering **PREDIX**
- **1** Repair Source

**CONVENTIONAL**
- **300** Parts
- **60** Engineers
- **50+** Manufacturing sources
- **40** Data systems
- **5** Repair Source