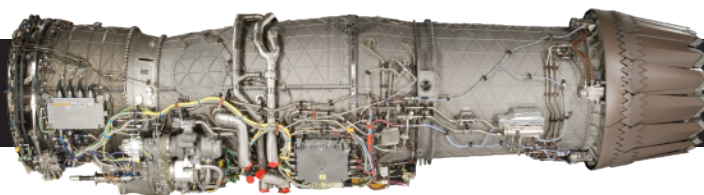


PRATT & WHITNEY F135 ENGINE FAST FACTS | 2025

F135 The World's Most Advanced Fighter Engine



CAPABILITY



40K+ LBS of thrust



5th GENERATION stealth technologies



PRECISE & RESPONSIVE integrated engine control system



50% INCREASE in thermal management capacity over 4th generation engines

AVAILABILITY



1,300+ engines delivered in total



Current production configuration is **DOUBLE** the spec for mean flight hours between removals

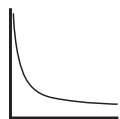


Safety rate more than **AN ORDER OF MAGNITUDE BETTER** than previous generations of fighter engines



CONTINUOUSLY EXCEEDS full mission capability rate requirements of 94%

AFFORDABILITY



Reduced average cost of an F135 by **MORE THAN 50%** to date

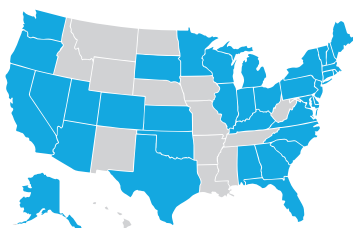


Component Improvement Program investments are projected to yield **~\$21 BILLION** in lifecycle cost savings



TARGETING ~50% COST REDUCTION on 1st scheduled maintenance visit, which is projected to **SAVE \$14+ BILLION** over the life of the program

ECONOMIC IMPACT & INVESTMENT



● SUPPLIER LOCATIONS

The F135 program sustains more than **57,000** domestic RTX jobs

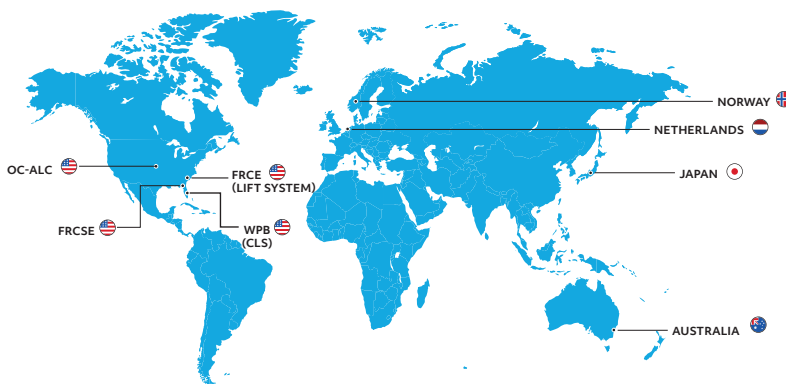
255 SUPPLIERS provide parts for the F135

Contributed **\$2.2B+** to the U.S. economy in 2023



\$500+ MILLION invested in capital, process improvements & cost reduction initiatives

F135 GLOBAL MRO&U NETWORK



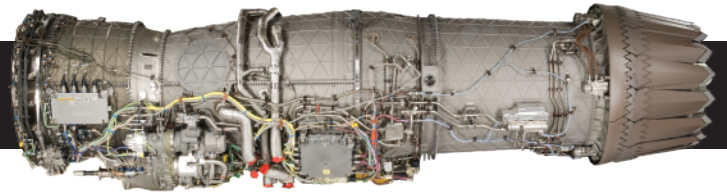
MAINTENANCE, REPAIR, OVERHAUL & UPGRADE (MRO&U) CONTRACTOR LOGISTICS SUPPORT (CLS)



Pratt & Whitney
An RTX Business

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PRATT & WHITNEY F135 ENGINE FAST FACTS | 2025



F135 The World's Most Advanced Fighter Engine

PROGRAM AT A GLANCE (AS OF MARCH 2025)



1,130+
aircraft in service



1M+ flight
hours



48
bases worldwide
(includes ship activations)

13

services have declared IOC



F-35/F135 IN ACTION

16

services flying

606,200+

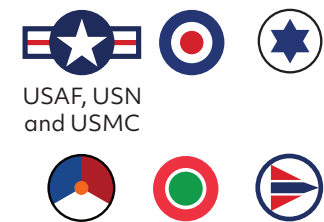
sorties

10

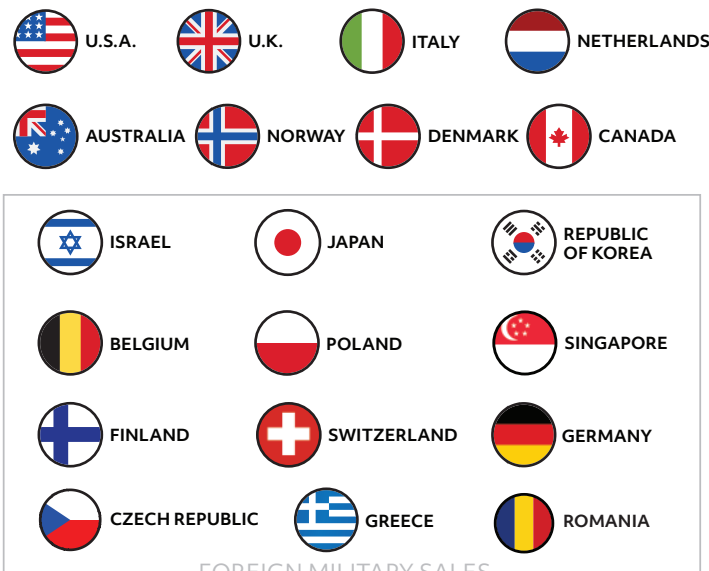
nations operating on home soil

8

services have conducted
operational missions



F-35 PROGRAM PARTICIPANTS



FOREIGN MILITARY SALES

F135 ENGINE SPECS

	F135-PW-100 Conventional Takeoff and Landing (CTOL) Carrier Variant (CV)	F135-PW-600 Short Takeoff/Vertical Landing (STOVL)
Maximum Thrust Class	43,000 lbs	41,000 lbs
Intermediate Thrust Class	28,000 lbs	27,000 lbs
Short Takeoff Thrust Class	—	40,740 lbs
Hover Thrust Class	—	40,650 lbs
Length	220 in	369 in
Inlet Diameter	43 in	Main engine: 43 in Lift fan: 51 in
Maximum Diameter	46 in	Main engine: 46 in Lift fan: 53 in



Updated: March 17, 2025
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