

# **World's Top 10 Fighter Jet Aircraft Programs - 2021-2022 - Program Factsheets, Strategy Focus, Comparative SWOT Analysis, Latest Contracts & Developments and Market Outlook**

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## **Abstracts**

Global Defense Spending has been on a major upswing led by the resurgence of great power competition among leading geopolitical powers and spearheaded by R&D-led technological evolution. The transition of traditional world order towards multi-polarity, marked by the resurgence of great power competition and escalating geopolitical tensions, has effectively heralded a renaissance for the Global Aerospace & Defense industry over the recent years with defense spending clearly on the surge & upswing. The rapid build-up of military capabilities by China and resurgence of Russia on the world horizon have effectively spiraled up defense spending across most regions & parts of the world. The global defense spending reached the \$1.98 trillion level for 2020 growing by over 2.6% year on year for 2020 & 3% for 2019 echoing the Cold war-era trend.

Fighter jets have remained a traditional & core pivot of the fighting capabilities of Air Forces globally with their significant role & capabilities for conducting aerial combat, interdiction, penetration of enemy air defenses, ground attack and air dominance/superiority missions & roles. The surge in global defense spending over the recent years has driven a rapid recapitalization of legacy fighter jet aircraft programs as a key priority with the initiation of a bevy of next generation aircraft programs across most parts of the globe for build-up of capacity & military capabilities. The replacement of global in-service fleet of legacy F-18 Hornet program is being pursued actively across parts of Europe and North America along with upgrade & modernization of the sizeable, older F-16 fleet & variants globally. Around 250+ in-service Tornado combat jets are also due for replacement with decisions likely over near term. Other parts of the world,

too, are accelerating & scrambling for the retirement & replacement of their Cold-war era, Soviet-origin legacy fighter jet aircraft programs with latest & next generation capabilities through fast tracked procurement of in-production aircrafts supplemented by scratch-up, domestic aircraft development programs. India, for instance, operates a fleet of 100+ MiG-21s while seeking replacements for them & other ageing aircrafts under the MMRCA 2.0 program and supplementing the deficit with the procurement of the home grown Tejas Light Combat Aircraft (LCA) program.

In term of capabilities, 5th generation aircraft programs are already proving to be favorites to replace the 4/4.5 generation aircrafts with the Lockheed Martin's F-35 Lightning II stealth fighter jet program spearheading the charge & the generational shift. The 6th generation aircraft programs are also on the anvil geared towards the future with their potential EIS slated for late 2030s. Continental Europe is committing itself to the development of two such programs, namely, the Franco-German-Spanish consortium led FCAS program and the Tempest program being spearheaded by the triad of Great Britain-Italy-Sweden. In the U.S., the NGAD program collectively represents the efforts being made towards the development of 6th generation combat aircraft to be powered by the upcoming Adaptive Cycle Engine (ACE) program.

Against this backdrop, the report provides a detailed, comprehensive analysis on the World's Top 10 Fighter Jet Aircraft Programs, including:-

Detailed Program Factsheets, including, Technical Specifications, Production Numbers, Variants & Key Global Operators

Overarching Strategy Focus across OEMs for the Programs

Comprehensive Comparative SWOT Analysis with Direct, Competing Aircraft Programs of Commensurate Size & Class

Latest Contract Awards, Upcoming Aircraft Competitions & Developments for the Programs

Upgrade Horizon, Projected Developments & Outlook for the Programs

The report categorizes the aircraft programs into Light, Medium & Heavy jets based on their Maximum Take-Off Weight (MTOW) and compares them accordingly. Also, single-engine & twin-engine aircraft programs and the 4/4.5 generation & 5th generation

aircraft programs have been treated & compared accordingly. This is the one of the rare reports providing a comprehensive, Comparative SWOT analysis at the program level backed by deep domain competence & acumen.

For Whom:

The report is a niche, vital & must-have information resource on Fighter Jet Aircraft Programs with its unique disposition & focus. The report would be quintessential for those having strategic interest & stakes in the in the Global Fighter Jet Aircraft Market and are seeking a quick yet comprehensive resource for a direct comparison of leading global fighter jet aircraft programs & OEMs from a combined business & technical perspective. The report will be extremely useful for Key Decision-Makers, Program Offices & Managers, Defense Departments & Contracting/ Procurement Executives, Defense Personnel and Global Procurement Managers, Leaders & Top Management of Key Industry Players & Other Companies, Industry OEMs, Suppliers, Vendors, Associated Equipment Manufacturers and other Key Players in the Industry Value Chain. The report will also be useful for existing & potential Investors, Industry & Company Analysts, M&A Advisory Firms, Strategy & Management Consulting Firms, Researchers and all those associated with the Global Fighter Jet Aircraft Market and the Aerospace & Defense Industry.

## Contents

### SECTION - 1

Global Top 10 Fighter Jet Aircraft Programs - Program Origins, Profile, Snapshot & Fact Files

1. Boeing's F 15EX Eagle II
2. Boeing's F/A 18E/F Super Hornet
3. Lockheed Martn's F 16V Fighting Falcon Block 70
4. Lockheed Martin's F 35 Lightning II JSF
5. Dassault Rafale
6. Eurofighter Typhoon
7. Saab's JAS 39 Gripen E/F
8. Sukhoi Su 35 Flanker
9. MiG 35 Fulcrum
10. Chengdu's J 20 Mighty Dragon

Coverage

Program Origins

Primary Role

Technical Specifications

Variants Developed

Program Timelines

Units Produced

Current Program Status, Upgrade Horizon, Projected Developments & Outlook for the Programs

Key Operators, Program Partners & Export Customers

### SECTION - 2

Global Top 10 Fighter Jet Aircraft Programs - Specifications, Armaments, Performance & Comparative Overview

1. Boeing's F 15EX Eagle II
2. Boeing's F/A 18E/F Super Hornet
3. Lockheed Martn's F 16V Fighting Falcon Block 70
4. Lockheed Martin's F 35 Lightning II JSF
5. Dassault Rafale
6. Eurofighter Typhoon
7. Saab's JAS 39 Gripen E/F
8. Sukhoi Su 35 Flanker

9. MiG 35 Fulcrum
10. Chengdu's J 20 Mighty Dragon

### **SECTION - 3**

SWOT Analysis - For the World's 10 Leading Combat Aircraft Programs

1. Boeing's F/A 18E/F Super Hornet
2. Boeing's F 15EX Eagle II
3. Lockheed Martin's F 16V Fighting Falcon Block 70
4. Dassault Rafale
5. Eurofighter Typhoon
6. SAAB's JAS 39 Gripen
7. Lockheed Martin's F 35 Lightning II Joint Strike Fighter (JSF)
8. Sukhoi's Su 35
9. MiG 35
10. Chengdu's J 20

### **SECTION - 4**

Programs Evolution, Progression & Current Strategy Focus across respective OEMs

1. Boeing's F/A 18 E/F Super Hornet
2. Boeing's F 15EX Eagle II
3. Lockheed Martin's F 16V Fighting Falcon Block 70
4. Dassault Rafale
5. Eurofighter Typhoon
6. SAAB's JAS 39 Gripen
7. Lockheed Martin's F 35 Lightning II Joint Strike Fighter (JSF)
8. Sukhoi's Su 35
9. MiG 35
10. Chengdu's J 20

### **SECTION - 5**

Comparative Analysis of Strengths

1. Boeing's F/A 18 E/F Super Hornet
2. Boeing's F 15EX Eagle II
3. Lockheed Martin's F 16V Fighting Falcon Block 70
4. Dassault Rafale
5. Eurofighter Typhoon

6. SAAB's JAS 39 Gripen
7. Lockheed Martin's F 35 Lightning II Joint Strike Fighter (JSF)
8. Sukhoi's Su 35
9. MiG 35
10. Chengdu's J 20

## **SECTION - 6**

Comparative Analysis of Weaknesses

1. Boeing's F/A 18 E/F Super Hornet
2. Boeing's F 15EX Eagle II
3. Lockheed Martin's F 16V Fighting Falcon Block 70
4. Dassault Rafale
5. Eurofighter Typhoon
6. SAAB's JAS 39 Gripen
7. Lockheed Martin's F 35 Lightning II Joint Strike Fighter (JSF)
8. Sukhoi's Su 35
9. MiG 35
10. Chengdu's J 20

## **SECTION - 7**

Key Strategic Initiatives, Upgrades Horizon, Projected Developments & Outlook for the Programs - Key Contract Awards, Competitions and Technological Upgrade Plans

## **SECTION - 8**

Global Fighter Jet Aircraft Market - Force Field Analysis - Analysis of Driving & Restraining Forces and their Overall Dynamics

Driving Forces

Restraining Forces

## **SECTION - 9**

Key Trends, Issues & Challenges and Growth Opportunities

## **SECTION - 10**

Market Outlook & Scenario for Fighter Jet Aircraft Programs over Medium Term

Analysis of Emerging Market Scenario for Fighter Jet Aircrafts  
Global Demand Outlook for Fighter Jet Aircrafts - Projections  
Global Defense Budgetary Trend  
Defense Spending Levels across Key Markets - Top 5 Nations  
Key Upcoming Fighter Jet Aircraft Programs & Competitions  
Emerging & Game changing Technologies and Sixth Generation Aircraft Programs -  
Round Up  
Market Outlook

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