



# Su-30MKI PROGRAM

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## THE JOINT SUCCESS OF RUSSIA AND INDIA





# MILESTONES



1996

Contract for  
development  
and delivery

2000

The flight  
of the test aircraft  
Contract for  
licensed  
production

2002

Aircraft  
samples  
of initial  
configuration  
delivered

2004

Aircraft samples of  
final configuration  
delivered  
The first HAL-  
manufactured  
aircraft delivered

2005

The first  
participation  
in international  
exercise in India

2007

The first  
participation  
in international  
exercise abroad

2015

The first aircraft  
overhaul  
at HAL facility

# PRIMACY



Joint efforts of Russia and India have ensured creation of the new fighter aircraft featuring outstanding capabilities

Leading companies of Russia, India, and other countries have been participating in creation of this aircraft

Su-30MKI is optimised to meet cost/effectiveness criterion

Su-30MKI epitomises the world benchmark of heavy multirole fighter aircraft



# MULTIFUNCTIONALITY

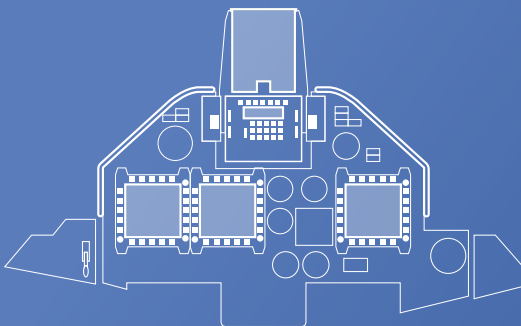
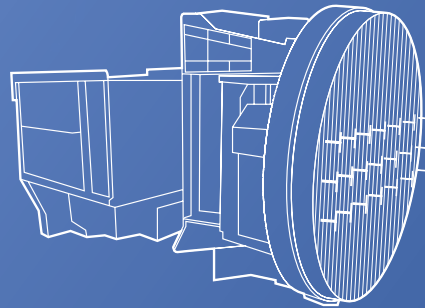
Su-30MKI is the first in the world fighter equipped with the phased-array radar, delivered for export

*Weapons control system provides:*

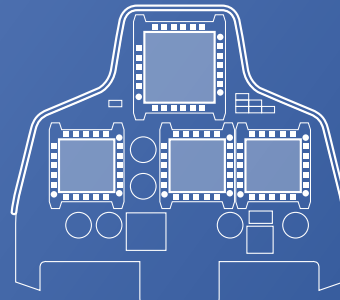
- reliable detection of aerial, ground, and water-surface targets beyond visual range
- tracking of 15 aerial targets and simultaneous engagement of four of them

Open architecture of avionics suite ensures enhancing its capabilities and expanding weapons set

Two-pilots crew is able to perform air-to-air and air-to-ground combat tasks concurrently



Front cockpit



Aft cockpit

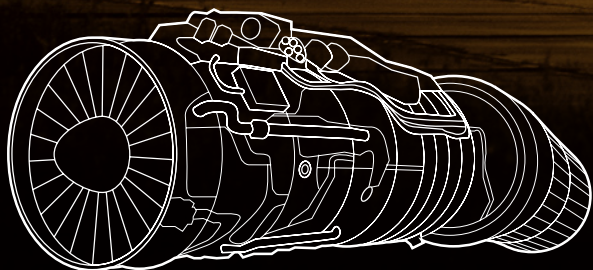
# SUPERMANEUVERABILITY

Su-30MKI is the first in the world  
supermaneuverable  
combat aircraft  
in serial production



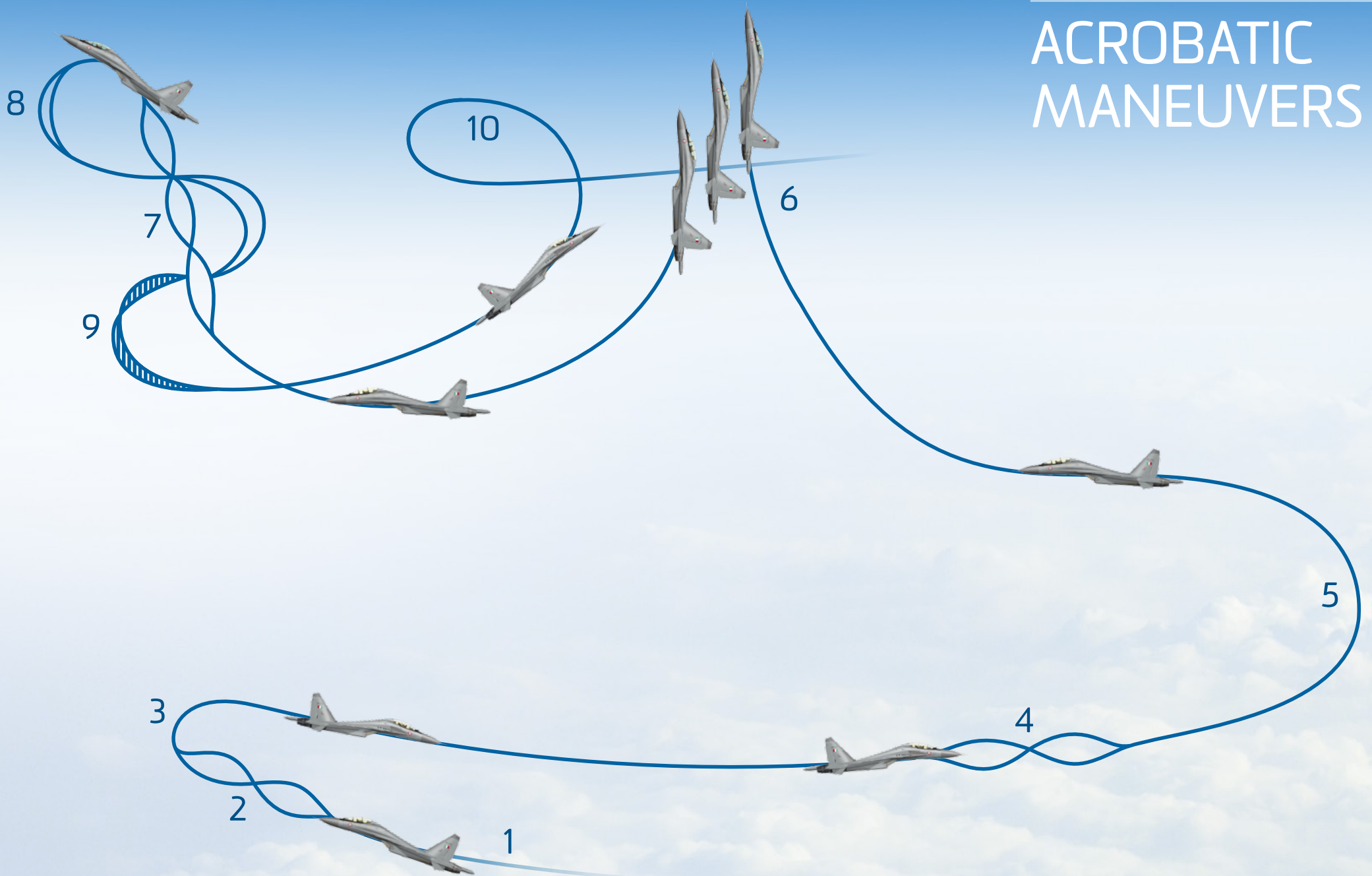
Supermaneuverability:

- is achieved due to engines with thrust vectoring and perfect fly-by-wire system
- provides unmatched superiority of Su-30MKI in dog fight engagements
- enhances flight safety

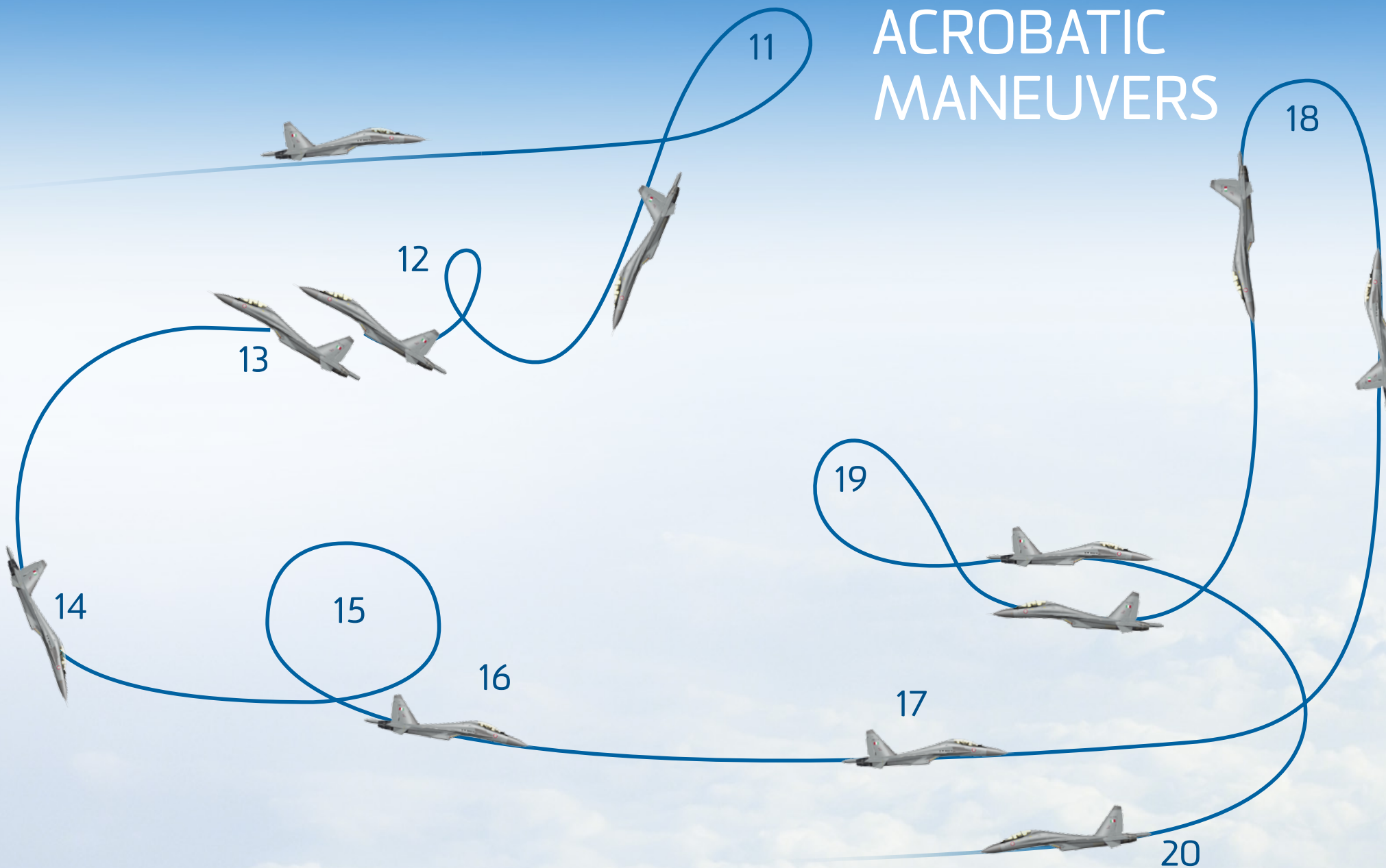




# ACROBATIC MANEUVERS



# ACROBATIC MANEUVERS



# COMBAT LOAD



12 hard points

Combat load of 8,000 kg



# FLIGHT RANGE

Su-30MKI is the best choice for the states with vast territory and/or vast water areas



Maximum flight range





# MAKE IN INDIA



**December 2000**  
The first license-  
production contract  
is signed

**November 2004**  
HAL Corporation  
assembled  
the first aircraft

**January 2015**  
HAL Corporation  
completed the first  
overhaul of Su-30MKI



# MAKE IN INDIA

## India:

- has mastered the full production cycle
- delivers Su-30MKI's high-tech avionics components for export
- possesses exclusive overhaul infrastructure

HAL Corporation  
manufactures more than  
80% of Su-30MKI aircraft



# INTERNATIONAL SUCCESS

Since 2005, Su-30MKIs have been demonstrating high effectiveness in international exercises

- Regions: Asia, Europe, North America
- States: USA, France, Great Britain, Singapore, UAE
- Aircraft: F-15, F-16, F/A-18, Tornado, Typhoon, Mirage 2000, Rafale

Su-30MKI contributes to the rise of international prestige of Indian Air Force





# SUPERIORITY AND PRESTIGE

Indian Air Force has secured its superiority against any possible competitor in the region

Su-30MKIs continuously participate in all national military parades and air shows

Presidents of India Mr Abdul Kalama and Mrs Pratibha Patil performed flights on Su-30MKIs



# CURRENT STATUS



Su-30MKI fleet  
is the backbone  
of the Indian Air Force

HAL continues production  
of new aircraft and overhaul  
of initial batches of aircraft



## Su-30MKI features great growth potential



### Major program trends in Russia and India:

- overhaul infrastructure build-up in India, enhancement of after-sale support
- integration of new weaponry
- upgrading of weaponry and avionics



# NEW CAPABILITIES OF Su-30MKI ARMED WITH BrahMos MISSILE

Unification of two most successful Russian-Indian projects:  
Su-30MKI and BrahMos

HAL has customized initial aircraft. Flight tests of this aircraft with BrahMos missile started in 2016



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Su-30MKI with integrated BrahMos missile:

- has no equal in effectiveness
- features enhanced strike capability
- opens new horizons for export



## Su-30MKI program:


- allowed India and Russia to go on to jointly create weaponry
- consolidated capabilities and competencies of the best enterprises and specialists of two countries
- established mutual understanding and credibility
- formed the basis for new joint programs

# NEW LEVEL OF INDIAN-RUSSIAN COOPERATION





# Su-30MK IN THE WORLD MARKET

A Su-30MK fighter aircraft is shown from a rear-quarter perspective on a runway. Two ground crew members in high-visibility vests are visible: one standing and another kneeling near the aircraft's landing gear. The background features a line of trees and a forested hill under a clear sky.

Fighter aircraft of Su-30 family  
derived from Su-30MKI concept  
has been delivered to Russia, Malaysia,  
Algeria, Kazakhstan

Deliveries are in progress

New customers show interest



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THANK YOU  
FOR YOUR TIME!

