





**Russian Helicopters** is a part of Rostec State Corporation

**Russian Helicopters:**

- A leading player in the global helicopter industry
- The sole Russian rotorcraft designer and manufacturer
- One of the few companies worldwide with the capability to design, manufacture, service and test modern civilian and military helicopters
- No.1 manufacturer globally in the medium/heavy and ultra-heavy rotorcraft segments
- No.1 manufacturer globally in the attack helicopters segment

**Licenses issued by the Russian government:**

- License No. 002940BBT-ОПР of September 30, 2014 for development, production, installation, assembly, technical maintenance, repair/overhaul, disposal and sale of armament and military equipment. Issued by Federal Service for Defense Contract.
- License No 14182-AT dated August 16, 2017 for performing development, production, testing and repair of aircraft.

**Russian Helicopters** was established in 2007, but its key enterprises date back more than 70 years.



# Company's structure

Managing Hub



- Over 40 000 employees
- More than 8 000 Russian helicopters operating in over 100 countries
- Over 70 years of helicopters manufacturing experience

R&D organizations



Helicopters production plants



Components production



After-sales services

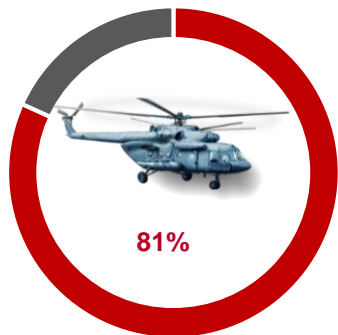


# Key facts about the company

**№1** Manufacturer of heavy (MTOW 10-16 tons) and ultra heavy helicopters (MTOW >16 tons)<sup>1</sup>

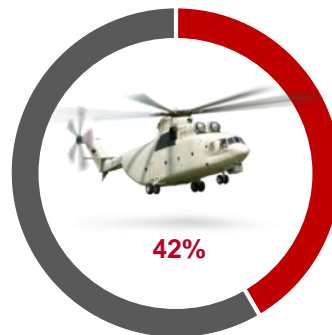
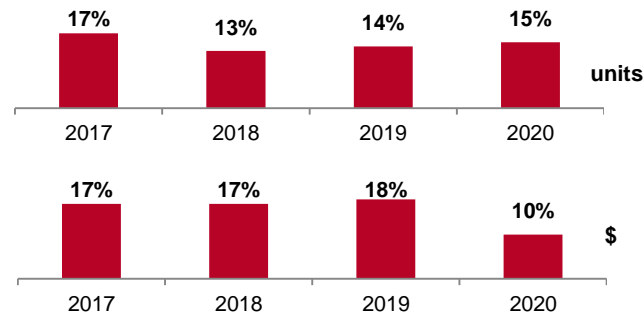
**63%<sup>1</sup>** Sales in 2019, units

- 97%** civil sales
- 59%<sup>2</sup>** military sales



**helicopter fleet (MTOW 10-16 tons), units**  
civil and utility

**Turbine helicopter market share**

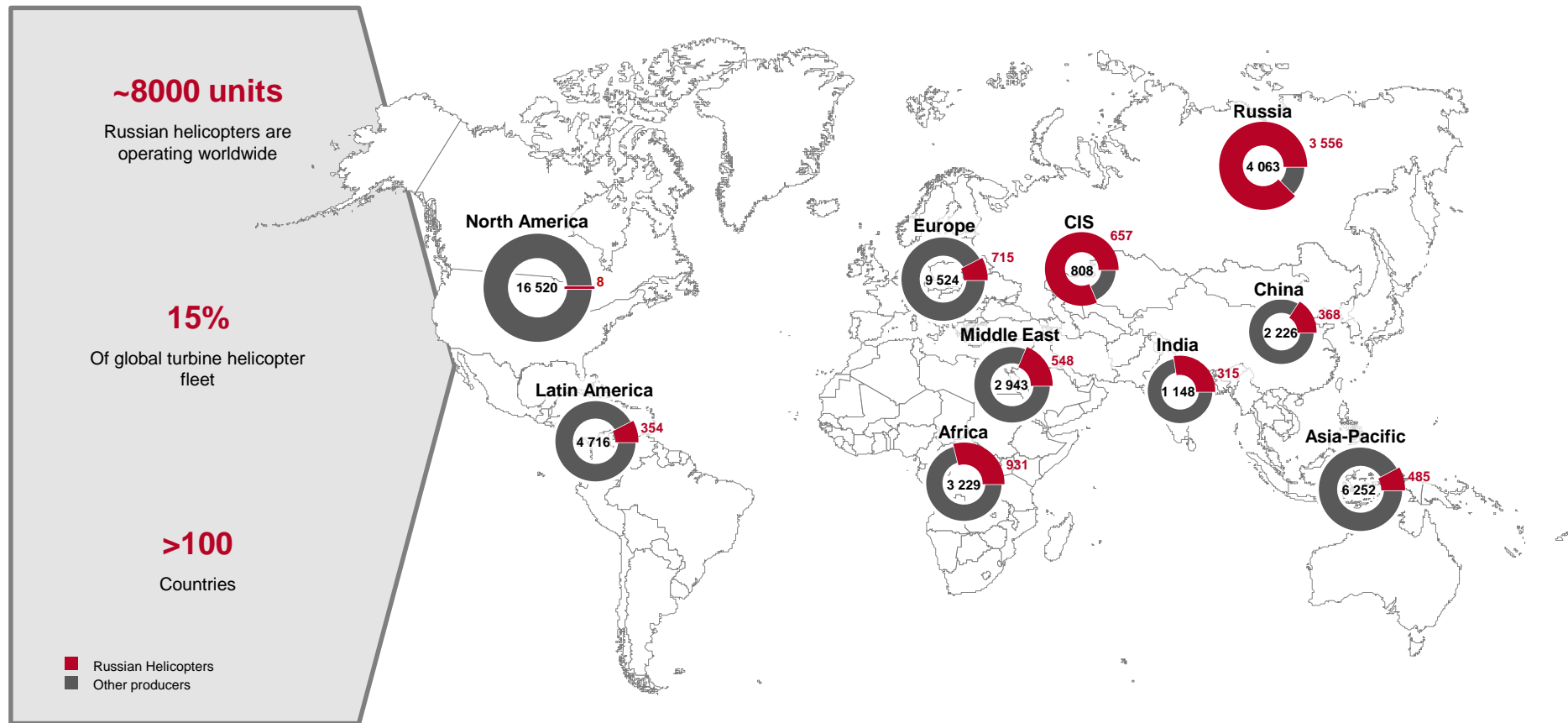


**ultra heavy civil helicopter fleet (MTOW >16 tons), units**

■ Russian Helicopters  
■ Other producers

1 – RH international market share in 3 segments: civil and utility (military) helicopters of 10-16 tons and military combat helicopters  
2 – RH international market share in 2 segments: civil and utility (military) helicopters of 10-16 tons and military combat helicopters

## Company's positions in the world turbine helicopter fleet (units)



# Global support









# Civil model range

## UAV – Light single – Light twin – Medium helicopters

R&D









**VRT-300**

	1 (ext.)		70		400
	—		kg		300






**Ansat**

	1-2		1 000		505
	7-8		kg		3 600



R&D

**Ka-62**

	1-2		2 500		750 / 1 090
	15		kg		6 800

UAV

Light single

Light twin

Medium



Min.crew, pers.



Max.passengers, pers.



Max.external payload, kg



Max.internal payload, kg



Max.range with main/optional fuel tanks, km









Max.take-off weight, kg

R&D









**VRT-500**

	1-2		—		860
	5		kg		1 650



**Ka-226T**







	1-2		785		475
	7		kg		3 600

# Civil model range

## Heavy and Ultra heavy helicopters



**Ka-32A11BC**

	1-2		5 000		650/ 870
	13		3 700		11 000









**Mi-171A2**

	2		5 000		800/ 1 000
	20		4 000		13 000



**Mi-26T/T2**

	3		20 000		800/ 1 920
	—		20 000		56 000

Heavy

Ultra heavy



**Mi-8/17**

	3		4 000		715/ 1 480
	26		4 000		13 000



**Mi-38**

	2		5 000		880/ 1 600
	30		5 000		15 600



Min.crew, pers.



Max.passengers, pers.



Max.external payload, kg



Max.internal payload, kg



Max.range with main/optional fuel tanks, km



Max.take-off weight, kg



# VRT500

## Light single helicopter



### Missions:

- Cargo & passenger transport
- Patrolling of motorways, power lines, pipelines
- Police and fire-fighting service support
- Medevac
- Training

### Advantages:

- No tail rotor
- Split Clamshell Door Opening
- Rear cargo doors
- Swing or sliding passenger doors

Maximum take-off weight, kg	1 600
Maximum payload, kg	730
Maximum speed, km/h	250
Cruise speed, km/h	225
Service ceiling, m	6 020
Flight range, km	860
Passengers	5
Crew	1
Operating temperature range	-40 +40°C



**Deliveries to start in 2023**

# ANSAT

## Light twin helicopter



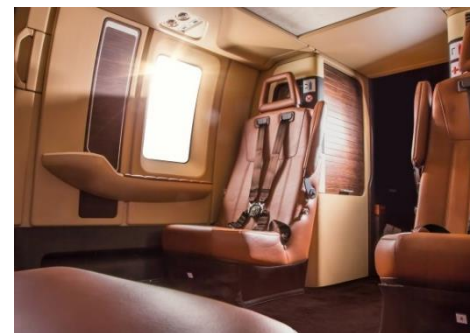
### Missions:

- Passenger & cargo transport
- VIP/corporate travel
- Search & rescue
- Medevac
- Patrolling

### Advantages:

- Fast cabin transformation
- Spacious cabin
- Up-to-date equipment
- Anti-icing system
- No-hangar storage

Maximum take-off weight, kg	3 600
Maximum payload, kg	1 076
Maximum speed, km/h	275
Cruise speed, km/h	220
Service ceiling, m	5 500
Flight range, km	505
Passengers	7
Crew	2
Operating temperature range	-45 +50°C



# Ka-226T

## Light twin helicopter



### Missions:

- Passenger & cargo transport
- Search & rescue
- Medevac
- Patrolling
- Ship-born operations

### Advantages:

- Modular design
- Excellent controllability
- Compactness
- Safe for ground personnel
- Effectiveness in hot & high conditions

Maximum take-off weight, kg	3 600
Maximum payload, kg	785
Maximum speed, km/h	220
Cruise speed, km/h	190
Service ceiling, m	5 700
Flight range, km	475
Passengers	7
Crew	1-2
Operating temperature range	-50 +50°C



# Ka-62

## Intermediate twin helicopter



### Missions:

- Passenger & cargo transport
- VIP/corporate travel
- Search & rescue
- Medevac
- Offshore transport

### Advantages:

- Convertible transport cabin
- iOGP compliance
- No-hangar storage
- Engine start-up at air temperatures to -35 C° without preheating
- All windows are push-out type IV emergency exits

Maximum take-off weight, kg	6 800
Maximum payload, kg	2 500
Maximum speed, km/h	310
Cruise speed, km/h	290
Service ceiling, m	6 100
Flight range, km	720
Passengers (standard / high density)	12/15
Crew	2
Operating temperature range	-45 +50°C



**Deliveries to start in 2021**

# Ka-32A11BC

## Heavy helicopter



### Missions:

- Fire-fighting
- Cargo transport
- Search & rescue
- Medevac
- Construction works

### Advantages:

- EASA certified
- Wide range of fire-fighting options
- Maneuverability
- Compactness
- Effectiveness in hot & high conditions

Maximum take-off weight, kg	12 700
Maximum payload, kg	5 000
Maximum speed, km/h	260
Cruise speed, km/h	245
Service ceiling, m	5 000
Flight range, km	650
Passengers	13
Crew	1-3
Operating temperature range	-50 +45°C





# Mi-17

## Heavy helicopter



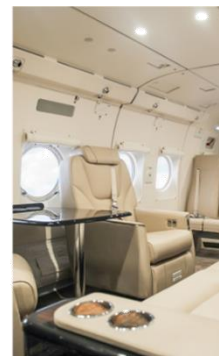
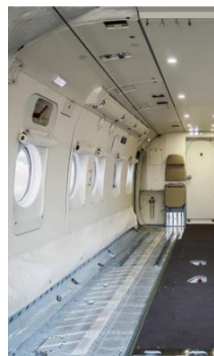
### Missions:

- Passenger & cargo transport
- VIP/corporate travel
- Search & rescue
- Medevac

### Advantages:

- Versatility
- Convertible cargo cabin
- Efficient performance, easy to operate and maintain

Maximum take-off weight, kg	13 000
Maximum payload, kg	4 000
Maximum speed, km/h	250
Cruise speed, km/h	230
Service ceiling, m	6 000
Flight range, km	715
Passengers	26
Crew	3
Operating temperature range	-50 +50°C



# Mi-171A2

## Heavy helicopter



### Missions:

- Passenger & cargo transport
- VIP/corporate travel
- Patrolling
- Medevac

### Advantages:

- Outstanding flight performance
- Convertible transport cabin
- Up-to-date onboard equipment
- High level of comfort and safety
- Wide range of options

Maximum take-off weight, kg	13 000
Maximum payload, kg	5 000
Maximum speed, km/h	280
Cruise speed, km/h	260
Service ceiling, m	6 000
Flight range, km	800
Passengers	20
Crew	2
Operating temperature range	-50 +50°C



# Mi-38

## Heavy helicopter



### Missions:

- Passenger & cargo transport
- VIP/corporate travel
- Search & rescue
- Medevac

### Advantages:

- No-hangar storage
- Best transport capabilities in medium helicopter class
- Leading-edge system of operation
- Spacious cargo cabin (30 m<sup>3</sup>)

Maximum take-off weight, kg	15 600
Maximum payload, kg	5 000
Maximum speed, km/h	300
Cruise speed, km/h	250
Service ceiling, m	6 300
Flight range, km	880
Passengers	30
Crew	2
Operating temperature range	-50 +50°C





# Mi-26T2

## Ultra heavy helicopter



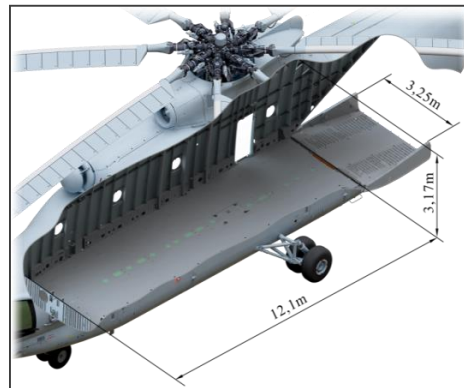
### Missions:

- Transport of bulky cargo inside the cabin and on external sling
- Fire-fighting
- Fuel delivery

### Advantages:

- Highest weight-lift capacity in the world
- Wheeled technics transport
- Reduced crew of 3
- Delivery of up to 14 000 l of fuel in tanker configuration

Maximum take-off weight, kg	56 000
Maximum payload, kg	20 000
Maximum speed, km/h	295
Cruise speed, km/h	255
Service ceiling, m	4 600
Flight range with auxiliary fuel tanks, km	1 920
Crew	5/3
Operating temperature range	-50 +50°C



Thank you for your attention