
S7 Technics
is the largest company
that provides aircraft
maintenance services
in Russia & CIS
S7 Technics

One Stop Shop

S7 Technics offers aircraft, engine and component maintenance and repair services.

We work honestly every day to guarantee flight safety for hundreds of crews and tens of thousands of passengers.

Our strategy:

- Transform the current business model with a focus on new services
- Comply with the best international standards and practices for operational safety and quality management
- Create new technological and engineering competencies
- Be adaptable and flexible to changes in the external environment
- Ensure digital security
- Provide continuous personnel training and development

Our geography

MRV

Mineralnye Vody: maintenance base

- Mineralnye Vody engine repair shop
- Aircraft painting hangar

MOW Moscow

DME Domodedovo: maintenance base

- Engine repair shop
- Training center

SVO Sheremetyevo: power unit overhaul base

- Engine overhaul
- APU overhaul

OVB Novosibirsk: maintenance base

IKT Irkutsk: line maintenance station

VVO Vladivostok: line maintenance station

Our statistics

2,270,000
man-hours

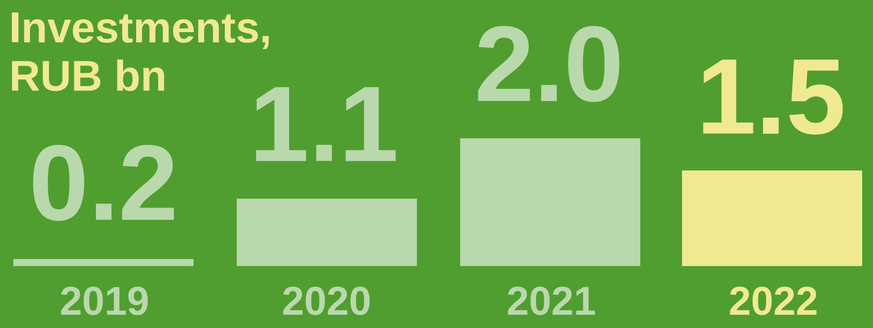
1,477
A-Checks
and equivalent services

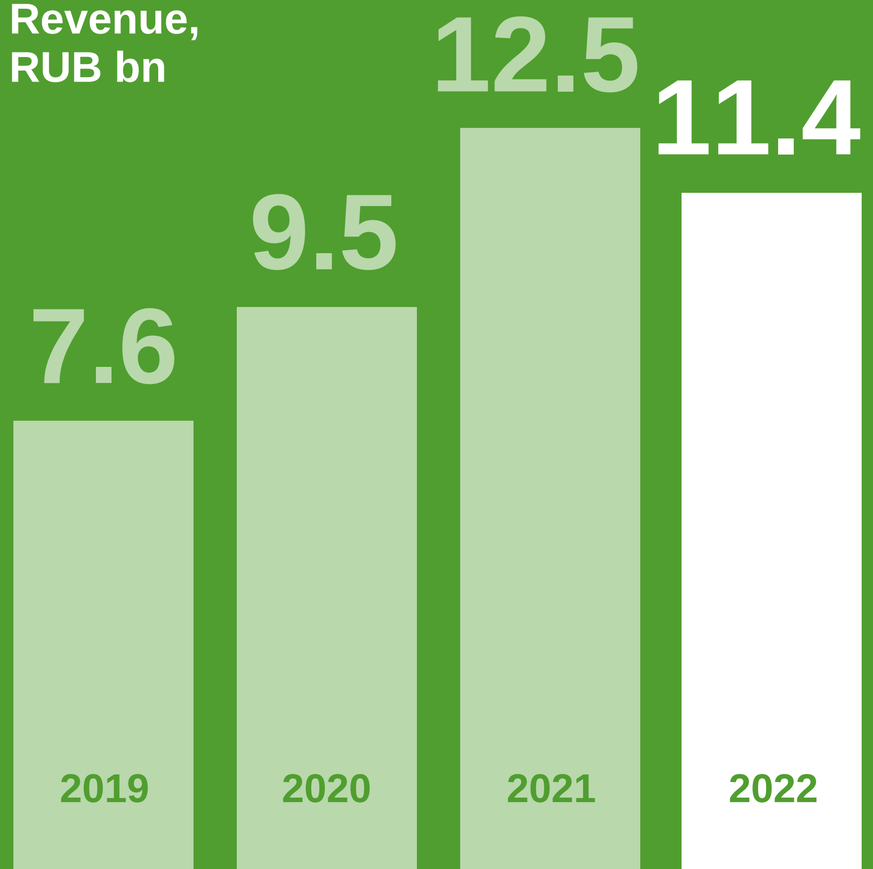
7
Aircraft painted

128
C-Checks

8
Aircraft serviced

31
Engines serviced





S7 Technics

Certificates

RF Federal Air Transport Agency (Rosaviatsiya) Approval

Test Laboratory Accreditation Certificate

FAR-285

FAR-289

FAR-21 Subpart J

S7 Technics

Base maintenance stations

	Moscow		Novosibirsk	Mineralnye Vody
	DME	SVO	OVB	MRV
				
Number of sections	**3 sections**		**2 sections**	**3 sections**
Narrow-body	**7**		**6**	**4**
Wide-body	**3**		**2**	**0**
Painting hangar				**1, narrow-body**
Hangar	**12,166 m²**		**20,000 m²**	**9,832 m²**
Shops	**3,897 m²**		**10,960 m²**	**5,067 m²**
Storage area	**2,264 m²**		**2,000 m²**	**1,491 m²**
Engine and APU maintenance	**250 m²**	**15,600 m²**		**880 m²**
Types of engines	**CFM56-3, 5B, 7B**	**CFM56-5B, 7B, 131-9A, 9B**		**CFM56-3, 5B, 7B**
Capacity	**2**	**4 engines and 8 APUs**		**4**

Serviced Aircraft Types

S7 Technics

		MRV Mineralnye Vody		DME Moscow		OVB Novosibirsk		IKT Irkutsk	VVO Vladivostok
		Line maintenance	Base maintenance	Line maintenance	Base maintenance	Line maintenance	Base maintenance	Line maintenance	Line maintenance
A320ceo Family		✓	✓	✓	✓	✓	✓	✓	✓
A320neo		✓	✓	✓	✓	✓	✓	✓	✓
B737 CL		✓	✓	✓	✓	✓	✓		
B737 NG		✓	✓	✓	✓	✓	✓	✓	✓
B737 MAX				✓	✓	✓	✓		
B757				✓		✓	✓		
B767				✓	✓	✓	✓		
SSJ-100		✓	✓	✓	✓				
E-170				✓	✓	✓	✓	✓	

Products and services

Aircraft maintenance and repair

Repair of components and systems

Engineering services and FAR-21 Subpart J

Aviation training center

Aircraft engine and APU repair

Logistic support

Aircraft painting

Metrology

Repair of components and systems

The laboratory complex of S7 Technics maintains and repairs the following types of aircraft equipment:

- Avionics
- Radio communication equipment
- Galley equipment
- Hydraulic components
- Lighting equipment
- Aircraft furnishings and components of passenger cabin lighting systems
- Survival equipment
- Oxygen supply equipment
- Components of air conditioning systems
- Firefighting equipment
- Repair and maintenance of vacuum toilets
- Batteries
- Repair of heat exchange systems

Repair of components and systems

S7 Technics is the only aircraft service provider in Eastern Europe, Russia and the CIS that is authorized by SAFRAN Group to perform after-sales service of components.

S7 Technics is certified to perform maintenance and repairs of:

- Oxygen supply equipment
- Vacuum toilets
- Emergency escape equipment

SAFRAN
AEROSPACE · DEFENCE · SECURITY

The area for the repair and maintenance of pilot seats was opened in partnership with IPECO – a plant for airframe components. The site is certified for the repair of A320 Family, B737NG, RRJ-95 components.

S7 Technics specialists perform after-sales maintenance of RRJ-95 pilot seats.

Aircraft painting

S7 Technics

- Our painting hangar is located in Mineralnye Vody
- GRACO electrostatic equipment
- The first full painting cycle in the CIS: Base coat / Clear coat and Finish coat
- Supply of original certified PPG and Akzo Nobel paints and varnishes
- Maintenance + Painting Package

Structural repairs

S7 Technics is certified to perform composite and metal repairs of varying degrees of complexity on structures and components of the main aircraft types. Specialists of structural repair departments have completed training and internships in local training centers of aircraft manufacturers (Airbus, Boeing) and in Western training centers.

Structural repair departments that are responsible for aircraft painting use various equipment, including painting and drying booths.

They reduce refinishing times and increase resource efficiency.

Non-destructive testing

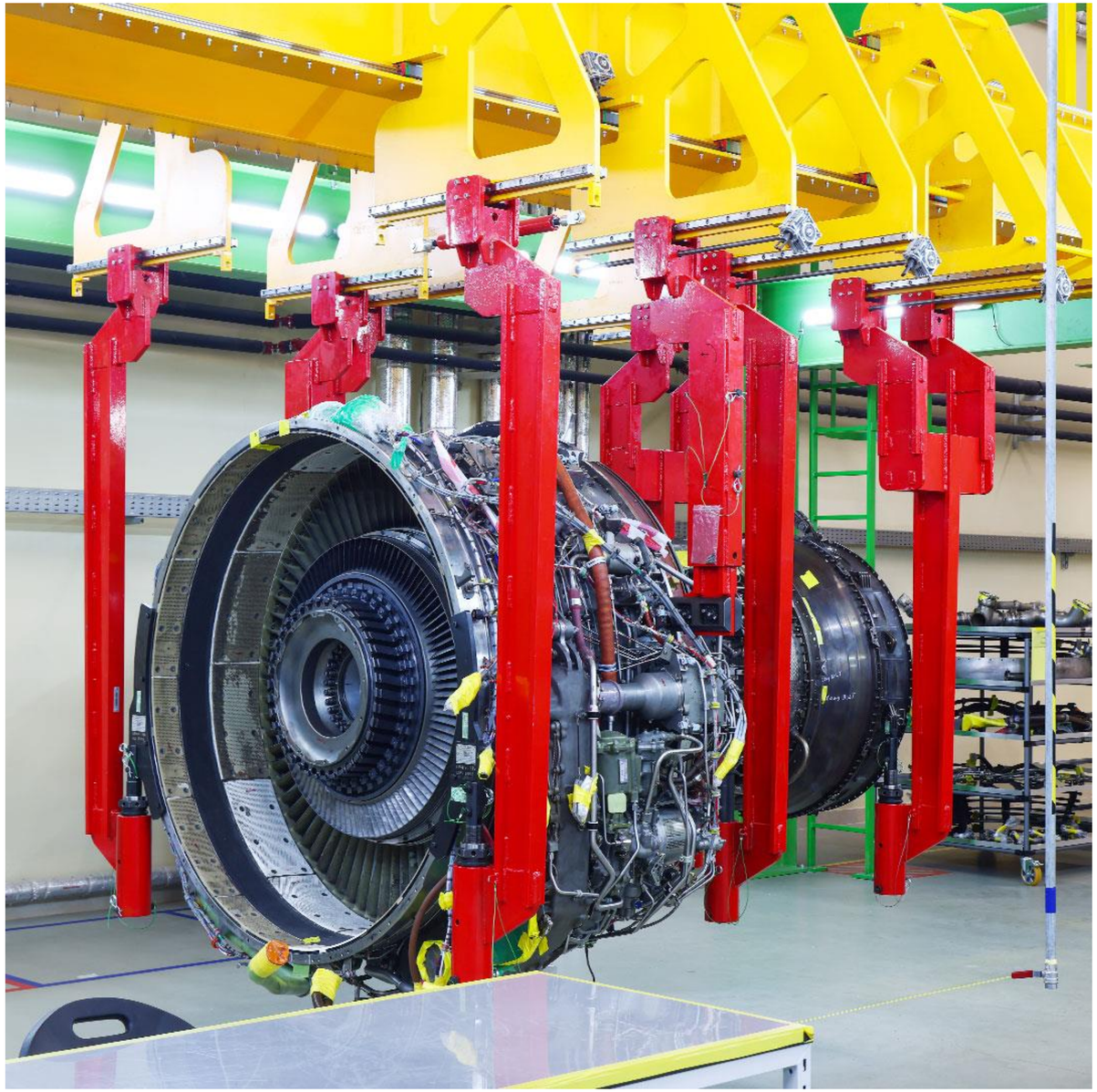
S7 Technics specialists use several types of non-destructive testing:

- Eddy Current (ET)
- Magnetic Particle (MP)
- Ultrasonic (UT)
- Dye Penetrant (PT)
- Radiography (RT)
- Thermal/Infrared Testing (IRT)

Overhaul of CFM56-5B/7B engines at Sheremetyevo

Engine overhaul at Sheremetyevo

- The shop performs the overhaul of **CFM56-5B/7B** engines, including complete disassembly, cleaning, inspection and non-destructive testing, component repair, engine assembly, rotor and stator grinding, and rotor balancing.
- All operations are performed using state-of-the-art equipment manufactured in 2021–2022 and supplied by the **world's leading companies, such as DANOBAT, SCHENK, FINNSONIC, ATG and others**.
- Some of the equipment has been developed by **S7 Technics** specialists and manufactured by the leading engineering companies of the RF. We are constantly expanding our cooperation with such companies to continue retrofitting the shop.
- At the end of 2022, the shop was tasked with mastering high-tech component repairs in order to maximize the local content in engine overhaul operations.
- Components are serviced on a **C7 rating** basis.
- At the end of 2022, the shop introduced repairs with replacement of **LLP in LPT**. In 2023, an engine overhaul program **with LLP replacement in a Gas Generator was launched.**



Overhaul of Honeywell APUs

APU overhaul at Sheremetyevo:

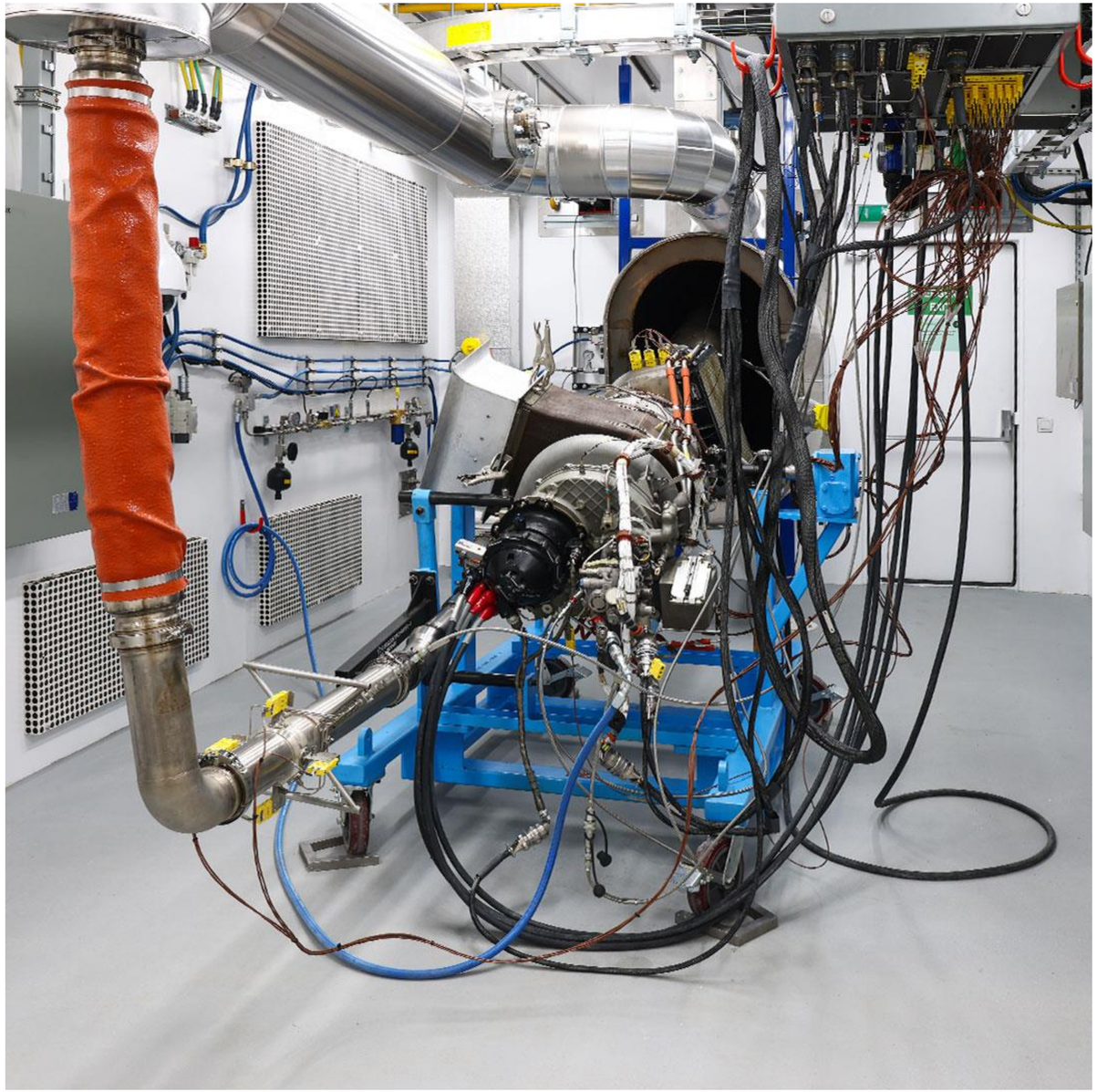
- The company introduced APU overhaul, including complete disassembly, cleaning, inspection and non-destructive testing, component repair, APU assembly, and testing on a special bench.
- 2022 saw successful overhauls of 9 APUs, including 5 APUs with complete disassembly of a gas generator.
- Components are serviced on a C7 rating basis.
- At the end of 2022, the shop was tasked with mastering high-tech component repairs in order to maximize the local content in APU overhaul operations.

The APU Overhaul Shop was established and approved by the Federal Air Transport Agency in accordance with Order No. 285 for the following APU types:

- 131-9A
- 131-9B

These types are used in aircraft:

- B737 NG/MAX
- A320 Family CEO/NEO



Service and reconditioning of engines

Engine shops are located in Domodedovo and Mineralnye Vody.

For CFM56 – 3 / 5B / 7B models, the following operations are performed:

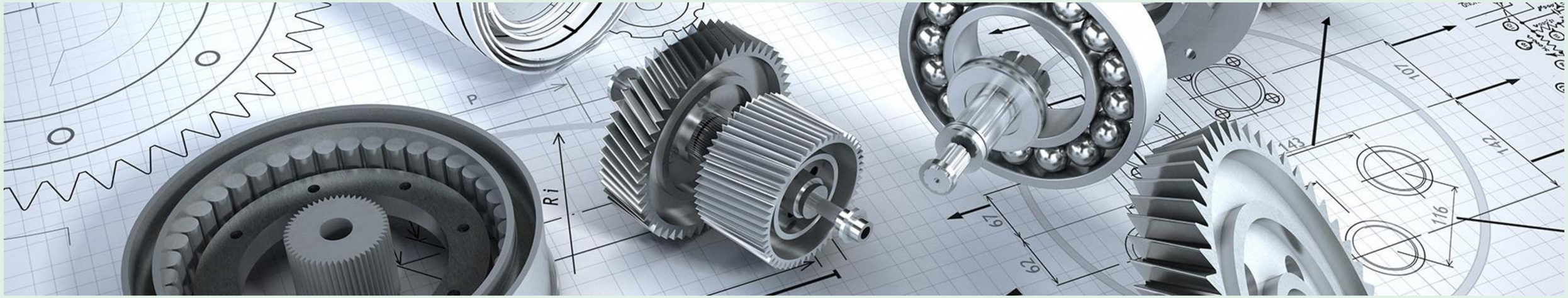
- Fan disc replacement
- Replacement of HPT blades
- Replacement and repair of HPC blades, vanes and bushings
- Replacement of LPT stage 1 NGV segments
- Replacement of HPT NGV segments
- Combustor chamber replacement
- Replacement of bearing No. 4 (BRG No. 4)
- Replacement of engine modules (LPT, LPC, AGB, TGB and HPT)
- Engine preservation for 365 days
- Engine redelivery inspection and certification
- Inspection, simple repairs and component certification on a C7 rating basis (engine component maintenance)
- Repairs outside of the base

Engineering support

S7 Technics holds an organization certificate and provides a full package of continuing airworthiness management services.

- Developing and supporting maintenance and reliability programs for various aircraft types
- Developing and supporting the Minimum Equipment List
- Developing and implementing special procedures, such as check flight, weighing, etc.
- Introducing and implementing an aircraft storage program
- Consultations on aircraft acceptance and commissioning and aircraft return to the lessor, assist with obtaining / renewing certificates of airworthiness
- Developing work cards and other technical documentation
- Engineering support for aircraft maintenance
- Resolving technical issues with aircraft and components manufacturers Processing and analyzing flight data
- Continuing airworthiness management:
  Aircraft maintenance planning
  Keeping and storage of aircraft technical records
  Monitoring of engine fleet performance
  Management of statuses*

* Statuses of Components with service life limit and time between overhauls, Airworthiness and Aircraft Configuration Directives, Service Bulletins and Modifications, Aircraft Structural Repairs, Maintenance Program, etc.



Integrated aircraft modifications

Aircraft interior modifications – from design engineering to implementation on board

Changing the configuration of passenger cabins, repairing exterior and internal elements of aircraft, installing additional furnishings, partial / complete replacement of cabin elements, various repairs of standard cabin equipment.

- Design of aircraft equipment
- Production of aircraft equipment
- Fire-resistance tests of materials
- Implementation of modifications on board

Production of aircraft components

- Passenger and pilot covers (fabric, leather, etc.)
- Curtains, carpets, bags, class dividers, etc.
- External and internal aircraft markings, including stencils and Braille stickers
- Plastic products (injection molding and vacuum thermoforming)
- Metal products (brackets, boxes, literature pocket springs)
- Chair cushions
- Trays for aircraft lavatories
- Aircraft composite panels (luggage compartments, flooring and a passenger cabin)

Before implementing modifications, our experts perform a burn test of materials at our own fire resistance testing laboratory. We guarantee the compliance of the final product with CS/FAR25.853 Appendix F and as a result save you from future expenses.

Return forms

The list of services includes:

- AD / SB status updates and corrections
- MPD Due List updates and corrections
- OCCM / HT Components status updates and corrections
- Preliminary cabin inspection and cabin renovations in accordance with EASA Part-21 J&G
- Preparing an aircraft return work package subject to return conditions of the lease agreement
- Re-evaluation of structural repairs, status updates, remedial actions

  Engine life cycle management, management and support of repairs
- Aircraft repainting
- Acting on behalf of the Customer in negotiations with the aircraft manufacturer, aviation authorities and the lessor
- Transfer of aircraft and documentation to the lessor
- Structural repairs

Note: The list of aircraft acceptance operations from the lessor is similar but more focused on the inspection of documents and physical condition of the aircraft.

Aircraft transfer support

S7 Technics offers engineering and consulting services

Audit of technical records under lease agreements and subject to requirements of aviation authorities, verification of all airworthiness data and recommendations for aircraft operators

- Statuses of airworthiness directives and service bulletins for aircraft, engines, APUs and components
- Statuses of aircraft modifications and structural repairs
- Flight hours for airframe and components
- All scheduled maintenance operations
- Aircraft configurations and statuses of components with time between overhauls and service life limit
- Operator documentation (maintenance program, ETOPS Flight Manual, Minimum Equipment List)
- Traceability of all components with service life limit
- Maintenance of the aircraft software base
- Load changes (ELA) due to modifications
- Monitoring of aircraft weight and balance
- Preparation of cabin equipment burn certificates

Representation of the lessor in communications with the aircraft operator, aviation authorities and the manufacturer of aircraft and components

Physical inspection of aircraft for compliance with lease agreements and requirements of aviation authorities

- Verification of damages and repairs for compliance with technical documentation, leasing agreement and requirements of aviation authorities
- Inspection and verification of installed components
- Inspection of interior components for compliance with technical documentation, leasing agreement and requirements of aviation authorities
- Verification of all aircraft markings for condition and compliance
- Verification of aircraft markings for condition and compliance with technical documentation, leasing agreement and requirements of aviation authorities

Personnel training

- The Training Center trains aviation specialists on S7 Technics premises at Domodedovo, Novosibirsk and Mineralnye Vody airports under FAR-285/289 certificates.

- The Training Center uses sophisticated technologies and equipment to facilitate understanding and learning.

- Ratings: B1.1 B2

- Aircraft types:
- Airbus A319/A320neo/A321
- Boeing 737-300/400/500/600/700/800/900
- Boeing 737 MAX
- Sukhoi RRJ-95 (SaM 146)
- Embraer ERJ-170 Series

Our clients

S7 Technics

S7 Airlines

Аврора

АЛРОСА АВИАКОМПАНИЯ

АЭРОФЛОТ Российские авиалинии

РОССИЯ

победа

AIRLINES RED WINGS

smartavia

Utair

АВИАКОМПАНИЯ ЯМАЛ

меридиан авиакомпания

EL AL

Belavia

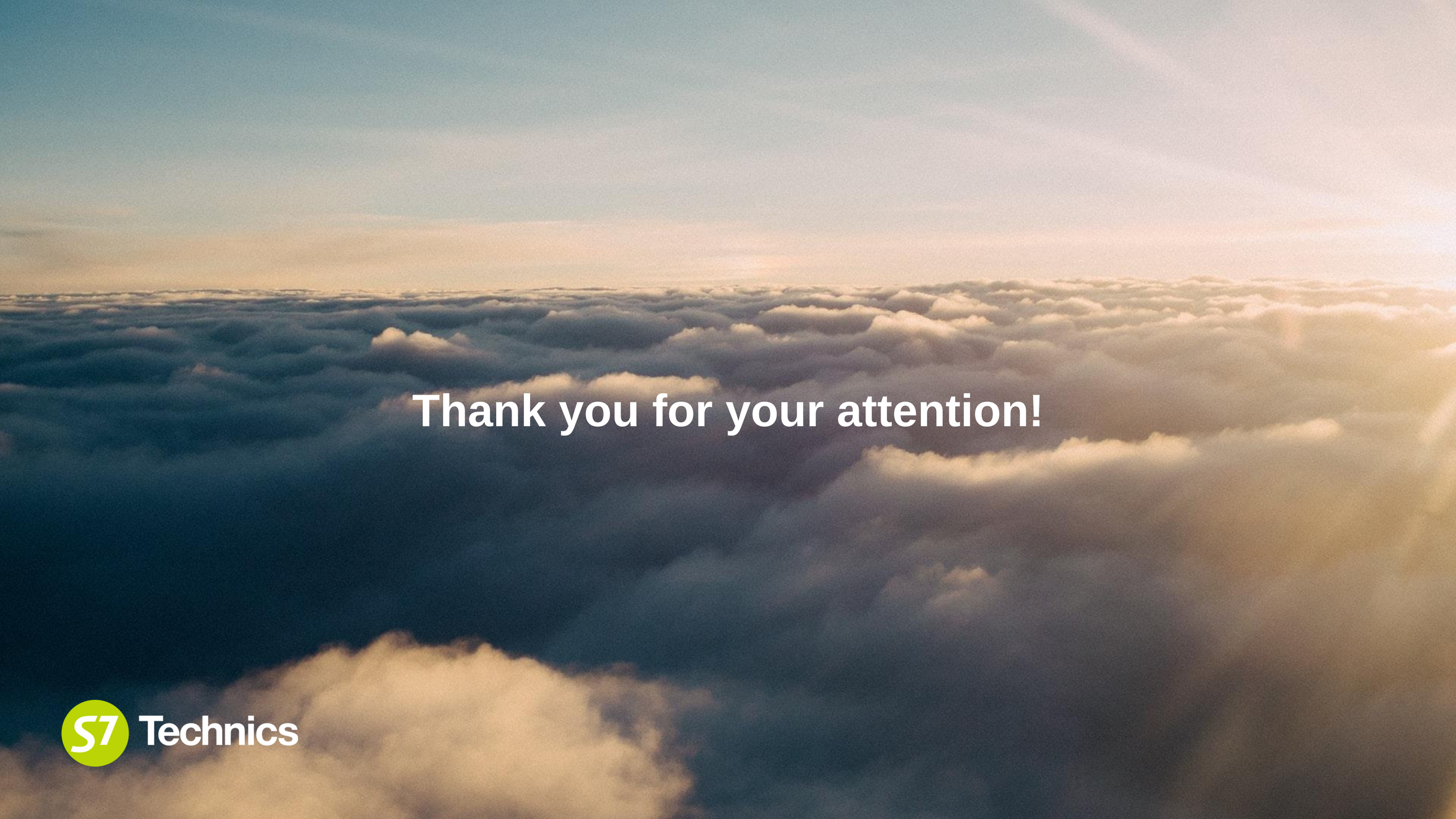
Nordwind Airlines

GTLK

СЕВЕРО-ЗАПАД АВИАКОМПАНИЯ

IRAERO AIRLINES

AIRCOMPANY RusJet


Thank you for your attention!
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