

# OVERVIEW









## Strategy

The strategy of S7 Technics is based on the provision of world class aircraft and component maintenance and repair.

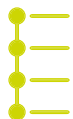
The minimum TAT is ensured by highly qualified personnel, a streamlined control and risk management system, state-of-the-art equipment procurement and material flow management.

The continuing expansion of operations and services along with the improvement of technologies are inherent parts of our company's long-term strategy.

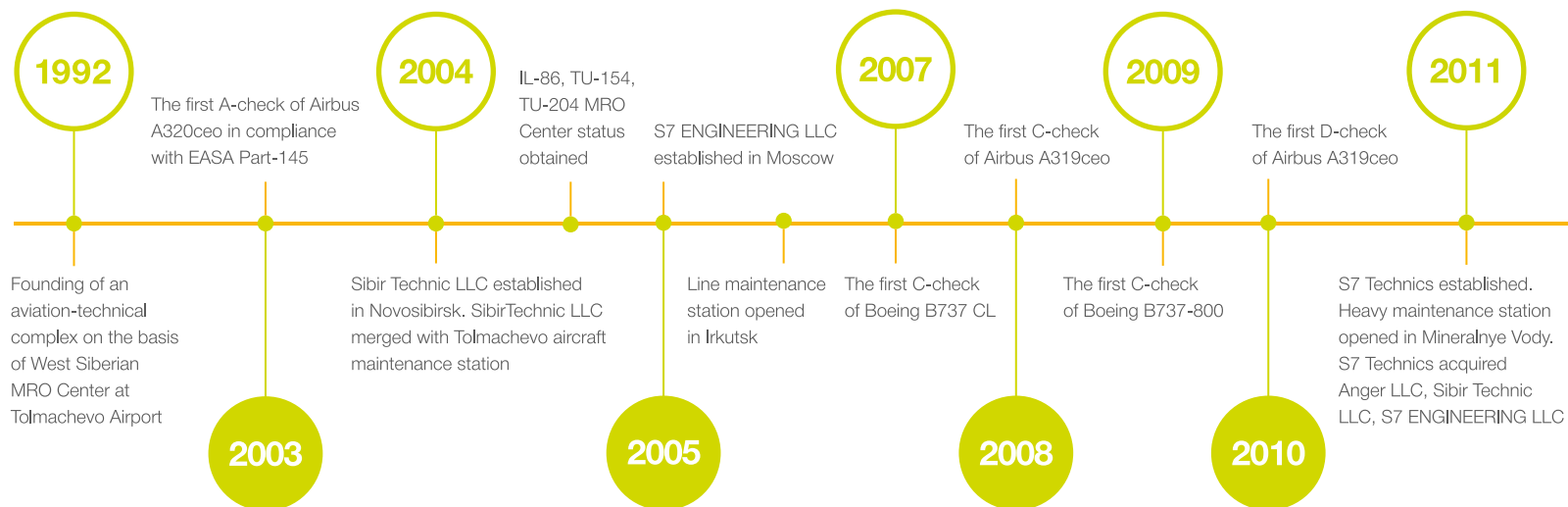
The strategy of S7 Technics is focused on the development of new business areas, improvement of business process efficiency and quality, expansion of geography and partnership relations. Responding to market challenges, S7 Technics implements its Development Strategy built around five key strategic dimensions:

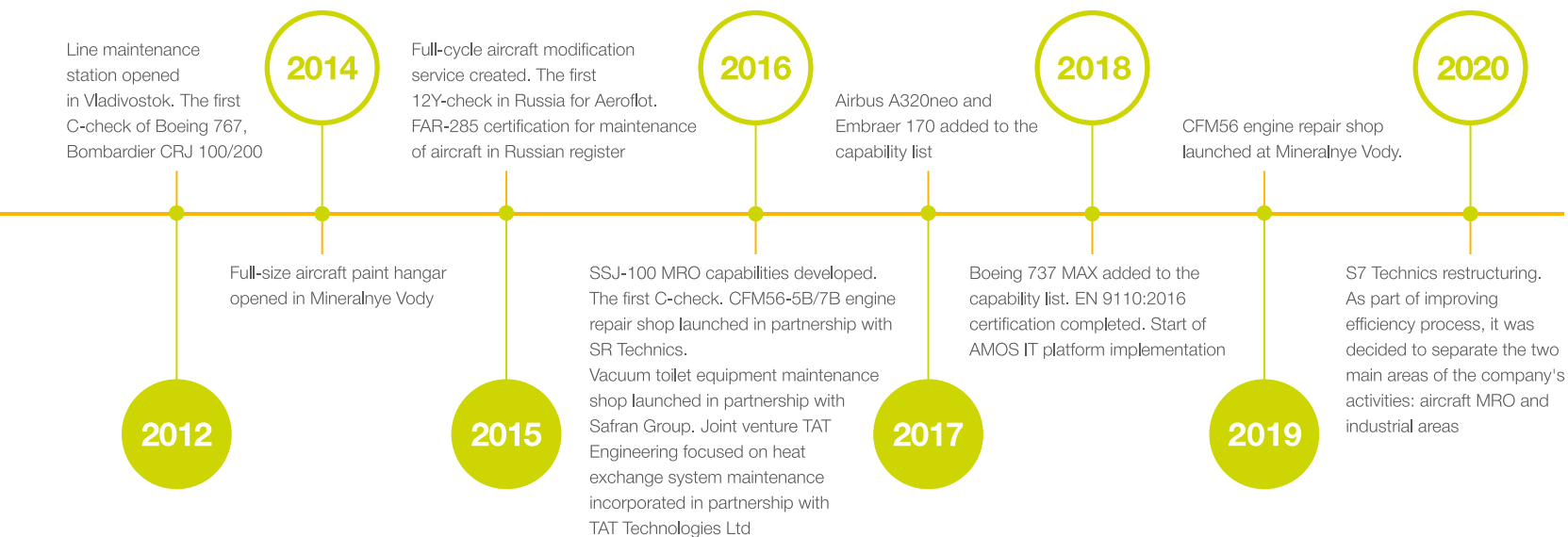
1. Customer Focus
2. Highly skilled & motivated team
3. LEAN / CI
4. Be Global
5. Technological Leadership





## Development stages









## Geography

### Moscow

Heavy maintenance

### Mineralnye Vody

Heavy maintenance

### Novosibirsk

Heavy maintenance

### Irkutsk

line maintenance  
station

### Vladivostok

line maintenance  
station



## Company structure



## Production capacity by aircraft type

Station	Sections	Capacity, narrow/wide body aircraft	Paint hangar capacity, narrow body aircraft
DME	3	7/3	-
MRV	3	4/0	1
OVB	2	6/2	-
<b>Total</b>		<b>17/5</b>	

## Production area, m<sup>2</sup>

Station	Hangar	Shops	Storage area
DME	12 166	3 897	2 264
MRV	9 832	5 067	1 491
OVB	20 000	10 960	2 000
<b>Total</b>	<b>41 998</b>	<b>19 924</b>	<b>5 755</b>











## Performance data

**2 114 600**

man-hours

**1400**

A-Checks

**100**

heavy maintenance events

**100**

engines serviced

**30**

aircraft painted





## Certificates

- 
- EASA (European Aviation Safety Agency)
    - Part-145   • Part-147   • Part-21J   • Part-21G

- 
- BCAA (Bermuda Civil Aviation Authority)
    - OTAR 145   • OTAR 39

- 
- Aruba DCA (Department of Civil Aviation)

- 
- AC/EN 9110 Certificate

- 
- Bahrain Aircraft Maintenance Organization (AMO) Approval Certificate
- 

- 
- Federal Air Transport Agency (Rosaviatsiya) Approval
    - FAR-285   • FAR-289

- 
- Kazakhstan CAA Decision to recognize a valid Certificate.

- 
- Kyrgyz Certificate of Recognition of Approved Aircraft Maintenance Organization

- 
- Test Laboratory Accreditation Certificate

- 
- Extension of Approved Maintenance Organisation Certificate UAE.145.1157
-

## Serviced aircraft types

**Moscow  
(DME)**

Line maintenance

- A320ceo Family
- A320neo
- B737 CL&NG
- B737 MAX
- B757
- SSJ-100
- E-170

Base maintenance:

- A320ceo Family
- A320neo
- B737 CL&NG
- SSJ-100
- E-170

**Mineralnye Vody  
(MRV)**

Line maintenance

- A320ceo Family
- B737 CL&NG
- SSJ-100

Base maintenance

- A320ceo Family
- B737 CL&NG

**Novosibirsk  
(OVB)**

Line maintenance

- A320ceo Family
- A320neo
- B737 CL&NG
- B737 MAX
- B767
- B757
- E-170

Base maintenance

- A320ceo Family
- A320neo
- B737 CL&NG
- B767
- B757
- E-170

**Irkutsk**

Line maintenance

- A320ceo Family
- A320neo
- B737 CL&NG

**Vladivostok**

Line maintenance

- A320ceo Family
- A320neo
- B737 NG



A green and white aircraft is parked on a tarmac in front of a large hangar. The hangar has a curved roof and a large glass facade. The aircraft is green with white accents, including a white lightning bolt on the tail. The background is a clear blue sky with some light clouds.

**>250**

AC departures  
per day

**19 924** m<sup>2</sup>

production area

**41 998** m<sup>2</sup>

hangar space

**30**

aircraft painted  
annually





**5 755** M<sup>2</sup>

storage  
area

**8**


aircraft types  
supported

**3**

base  
maintenance  
stations

**> 200**

groups of mechanics  
and avionics trained  
annually



## Services



### Line and base maintenance

We provide line and base maintenance services in Domodedovo, Tolmachevo, Mineralnye Vody, Irkutsk and Vladivostok airports, S7 Technics specialists perform western aircraft light and heavy maintenance up to D-check.



### Aircraft engine repair

CFM56-3/5B/7B engine repair shop opened in partnership with SR Technics is located in Domodedovo airport and expanded to Mineralnye Vody airport and operated by S7 Technics. The shop crew performs on- & off- wind engine hospital repairs.

S7 Technics' Engine Maintenance Shop performs CFM56-5B/7B/-3 hospital maintenance, including repairs in the High Pressure Compressor, Combustor and High Pressure Turbine modules, replacement of certain modules, bearings and Life Limited parts.

Since 2016 when the Shop received EASA Part-145 certification, S7 Technics' specialists has performed repairs and maintenance of more than 260 engines operated by both Russian and foreign airlines.

Our specialists also do perform a Cycleclean® engine wash of following types of aircraft engines: PW1100G-JM, LEAP-1B, CFM56-5A/5B/7B, CF34-8 and V2500.





## Aircraft fleet engineering support

S7 Technics owns a CAMO Approval in compliance with OTAR Part 39 Option 2 Subpart E. Expert competencies in technical records audit in accordance with the requirements of the lease agreement and the aviation authorities, verification of all airworthiness data and preparation of comments for the aircraft operator. Representation of the lessor and AC operator in communications with the aviation authorities and the manufacturer of AC and components. Physical inspection of the AC for compliance with the lease agreement, as well as the requirements of the aviation authorities. Management of the acceptance processes and return of aircraft at the end of the lease agreements or when the owner changes.



## Aircraft painting

S7 Technics paint shop in MRV provides painting of narrow body aircraft (Airbus A320ceo, Boeing 737 CL&NG, SSJ-100, CRJ100/200, E-170) supported by AC maintenance. The shop uses Graco equipment, AkzoNobel and PPG painting systems.

Development of specifications for aircraft exterior painting in accordance with CS-25 (logo and information poster placement, decals repositioning).



## **Aircraft complex modifications Part-21 J/G, Part-145**

Aircraft interior modifications from design documentation development to implementation on board.

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

Production of products made of polyurethane foam, soft sewing equipment, plastic components, stickers and metal products.

Conducting tests to determine the fire resistance of aircraft interior materials: fabrics, leather, carpets, plastics, films, laminates, passenger seat cushions and other materials.

- Design (EASA Part-21J);
- Production (EASA Part-21G);
- Flammability tests;
- Complex modifications of aircraft.



## Part-147/ Part-145 training center

The instructors of aviation training center (ATC) are there to upgrade the skills of your maintenance personnel at Domodedovo, Novosibirsk and Mineralnye Vody airports within the framework of EASA Part-145 and Part-147 certificates, FAR-285/289.

We use modern technologies and equipment to make understanding and assimilation of material easier. Training on the basis of the ATC under the Part-145 certificate involves training in components, structural repairs and on-the-job internships (OJT).

Ratings:

- - B1.1 + B2

Aircraft types:

- Airbus A318/A319/A320/A321 (All engines)
- Boeing 737 – 300/400/500
- Boeing 737 – 600/700/800/900
- Boeing 737 – 7/8/9
- Embraer ERJ-170 (series)
- Sukhoi RRJ-95 (SaM 146) FAR-289.





## Component and system repair

On-board electronic and radiocommunication equipment, aircraft galley equipment, hydraulic system components, lighting equipment, passenger cabin warning system components, emergency and rescue equipment, oxygen equipment, batteries.

- Wheels and brakes maintenance for Airbus A320ceo Family, A320neo, Boeing 737-300/400/500, Boeing 737-600/700/800/900, Boeing 737 MAX, Boeing 747-400, Boeing 757-200, Boeing 767-200/300, SSJ-100, Cessna 750, Embraer 170, Embraer 135 BJ
- CFM56 line engines repair
- Repair of Safran Group vacuum toilets, evacuation and oxygen equipment
- Full cycle of aircraft modifications (EASA Part 21 J/G, Part 145)
- Aircraft heat exchange system repair (TAT Engineering)



## Logistic and Material Support

- Aviation inventory purchase, delivery and storage
- Aircraft component exchange and short-term lease
- Customs clearance of aviation materials, components and tools
- Aviation inventory sale and exchange. No-go spare parts stock
- 24/7 AOG support
- Consignment warehouse



## Flight data analysis and processing

Flight data decoding and analysis for Airbus A320ceo Family, A320neo, Boeing 737-800NG, Boeing 737-8MAX, Boeing 757-200, Embraer E-170, Gulfstream G-550.

- Decoding and primary analysis of flight information
- Download and decompression of the voice information
- Preparation of graphic forms for analysis – selecting the parameters from the Flight Data Recording Parameter List
- Preparation of table of the values of the parameters – selecting the parameters from the Flight Data Recording Parameter List
- Glide path calculation
- Checking registration of mandatory parameters of DFDR and the release of the report
- Checking registration of voice recording channels of CVR and the release of the report





### **AC delivery & acceptance support**

Technical support provided to lessors, AC owners & operators during aircraft delivery and redelivery, including the whole range of maintenance, engineering support, painting and aircraft modification services.

S7 Technics cooperates with the world's leading lessors: GECAS, SMBC, Avalon, GTLK and others.



### **Repair and maintenance of vacuum toilets, evacuation and oxygen equipment**

The shop located in Domodedovo airport, which focuses on the repair and maintenance of evacuation slides, vacuum toilets and oxygen equipment, was launched & operates in partnership with Safran Group.



## Aircraft heat exchange system repair (TAT Engineering)

TAT Engineering, the only Russian company specializing in advanced maintenance of aircraft heat exchange systems, owns a unique differential pressure testing unit, a nitrogen testing unit, a heater chemical treatment line, a protective finish line, a vertical milling machining center, welding units, a sandblasting machine, a painting chamber

and a non-destructive testing unit. TAT Engineering is co-owned by S7 Technics and TAT Technologies/Limco Airepair Inc. The company holds EASA and FAA Part 145 certificates, it enables to provide full maintenance and repair activity for heat transfer systems and APU oil coolers for Airbus A320ceo Family, Airbus A320neo, Boeing 737/757/767 and CRJ 100/200 aircraft.



## Joint projects with leading global manufacturers and MRO's



SAFRAN Group is a world leading manufacturer of hi-tech AC systems & equipment and a tier-1 supplier in Aerospace industry. Aftermarket support is a top priority of the Group. S7 Technics is the only MRO in Russia & CIS fully authorised by SAFRAN to support water & waste, oxygen & evacuation equipment on the aftermarket.



SR Technics is one of the leading MRO providers in the world. The engine maintenance shop was launched within the framework of the joint project implemented by two MRO providers. The company provides CFM56 line engines maintenance services to clients in Russia and the CIS. The service is provided by S7 Technics in DME and MRV.



Limco Ai repair is a subsidiary of Technologies Ltd. providing heat exchanger maintenance services for aircraft maintenance centers. The heat exchanger maintenance service is offered by the TAT Engineering joint venture and includes the whole range of repair services. TAT Engineering Center is located next door to S7 Technics Novosibirsk base.



Honeywell - Fortune 100 technology company that delivers industry specific solutions that include aerospace products and services. S7 Technics and Honeywell are contracted to launch a new APU repair facility in the next two years. It will be the first one of its kind in Russia and CIS, supporting Honeywell auxiliary power units (APUs) 131-9A/B, RE-220 installed in the most popular aircraft types: Airbus A320, Boeing 737 and RRJ-95 families.













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