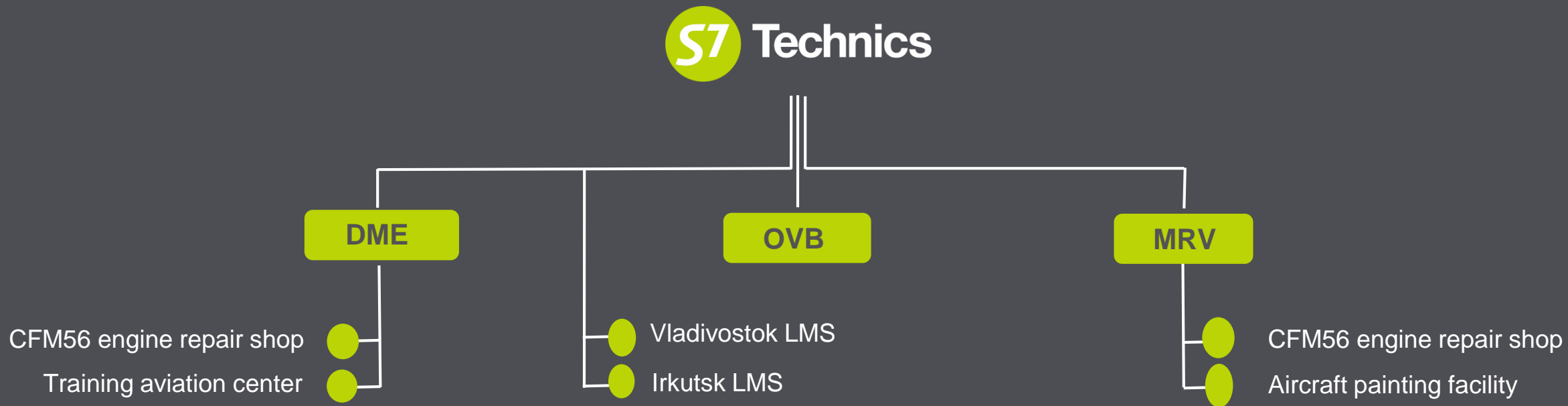


# S7 TECHNIS POWER PLANT MAINTENANCE

# Company structure



# Production & Financial figures

1000

A-Checks  
Per year

250

supported flights  
Per day

200

groups of technicians  
trained per year

100

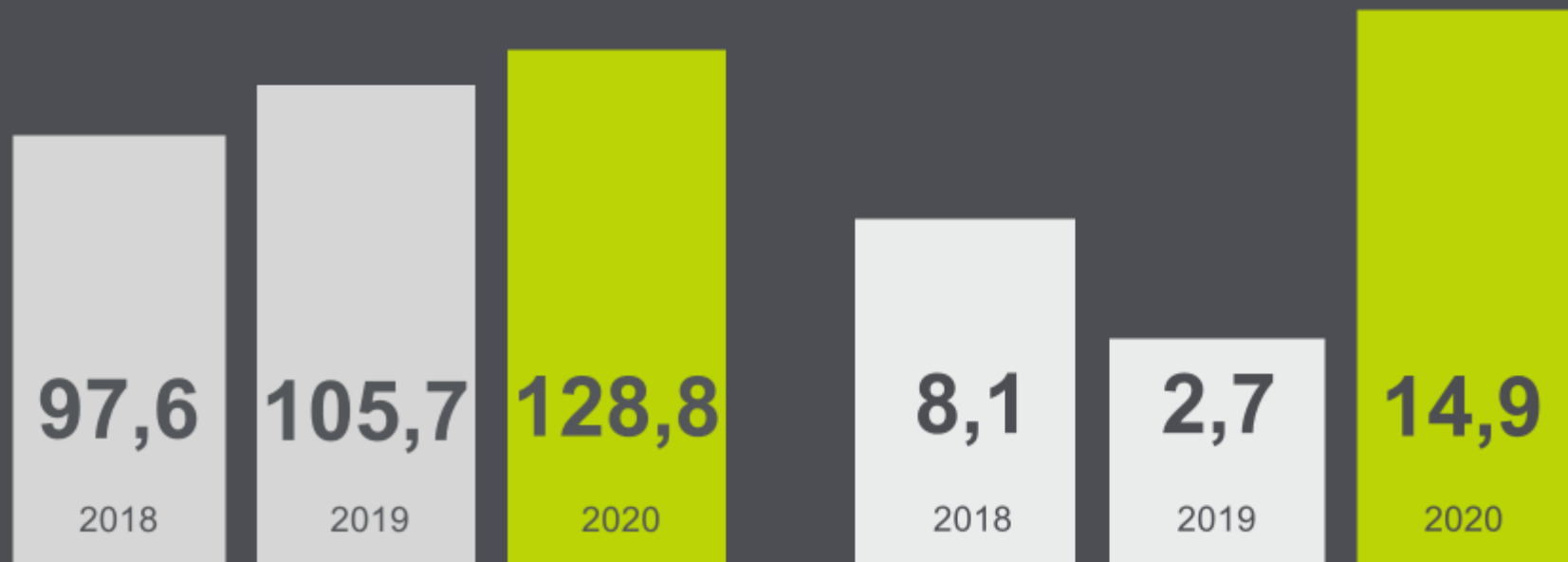
heavy maintenance  
base checks per year

30

aircraft per year  
paint capabilities

Revenue, mln. USD

Investment, mln. USD



# Products & Services

Base & Line maintenance

Aircraft painting

Engineering support

Part 21 J & G services

Component overhaul

Engine maintenance & repairs

Structure repairs

Non-destructive testing

Production & Repair of aircraft interior components

Aviation training center

Flight Data analysis

Logistics support

Customs broker service

Vacuum toilet shop

Heat exchangers repair

Aircraft redelivery support





**On-Wing/On-site  
AOG  
Services**



**Hospital repair/  
Quick Turn Engine  
Maintenance**

**POWER PLANT  
MAINTENANCE  
PRODUCTION DEPARTMENT**

**DME Hospital  
Engine Maintenance  
Shop**

- 250 SQ.M**
- 2 PRODUCTION LINES**
- 9 EMPLOYEES**
- 200 PERFORMED EVENTS**
- 5 YEARS OF OPERATION**

**MRV Hospital  
Engine Maintenance  
Shop**

- 900 SQ.M**
- 4 PRODUCTION LINES**
- 6 EMPLOYEES**
- 10 PERFORMED EVENTS**
- 2 YEARS OF OPERATION**

**Sales, Customer  
and Engineering  
Support**

- 6 EMPLOYEES**
- DME AND MRV SUPPORT**
- CUSTOMISED SOLUTIONS**

**SVO PROJECT**

- 12600 SQ.M**
- 6 APU & 3 ENGINE PROD LINES**
- +100 EMPLOYEES**
- SINCE 2021-2022**

# ENGINE ON-WING AND OFF-WING MAINTENANCE

## Engine on-wing and off-wing maintenance:

- ✓ Troubleshooting assistance and problems solving (Oil/Fuel leaks, High Vibration, Low EGT margin, Surge/Stall and etc.)
- ✓ Engine conversion/rating change
- ✓ QEC, LRU and accessories removal, inspection and installation
- ✓ AD and SB incorporation
- ✓ MPA Run results assessment
- ✓ MPD tasks compliance
- ✓ Engine general visual inspection (GVI)
- ✓ Borescope inspection
- ✓ Engine lease return (redelivery) inspection and certification

Keeping your engine on-wing

Reducing downtime

Minimizing maintenance cost

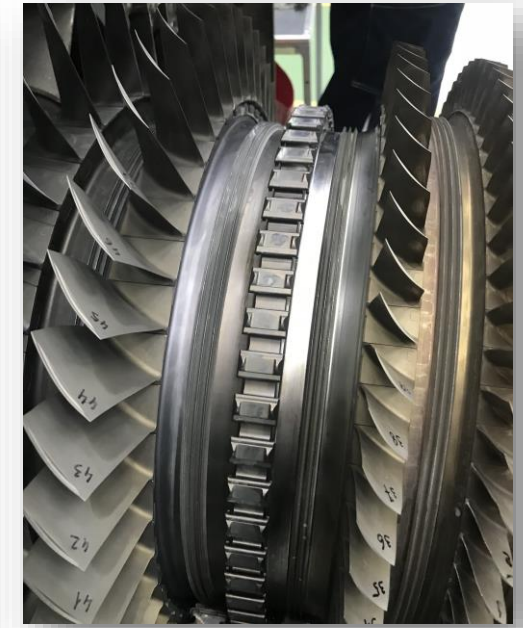
Handling with care

Storage in secured environment



## Engine on-wing and off-wing maintenance (continue):

- ✓ Fan Disk replacement
- ✓ Fan Containment Case replacement
- ✓ HPC Top case repair
- ✓ HPC Rotor-to-stator contact repair and modification
- ✓ LPT stage 1 NGV segments replacement
- ✓ HPT rotor blades replacement
- ✓ HPT NGV segments replacement
- ✓ Combustor chamber replacement
- ✓ Engine modules replacement: LPC booster, LPT major module, AGB and TGB modules
- ✓ Bearing №4 replacement
- ✓ AD and SB incorporation
- ✓ Engine preservation for a period from 30 up to 365 days and preservation extension

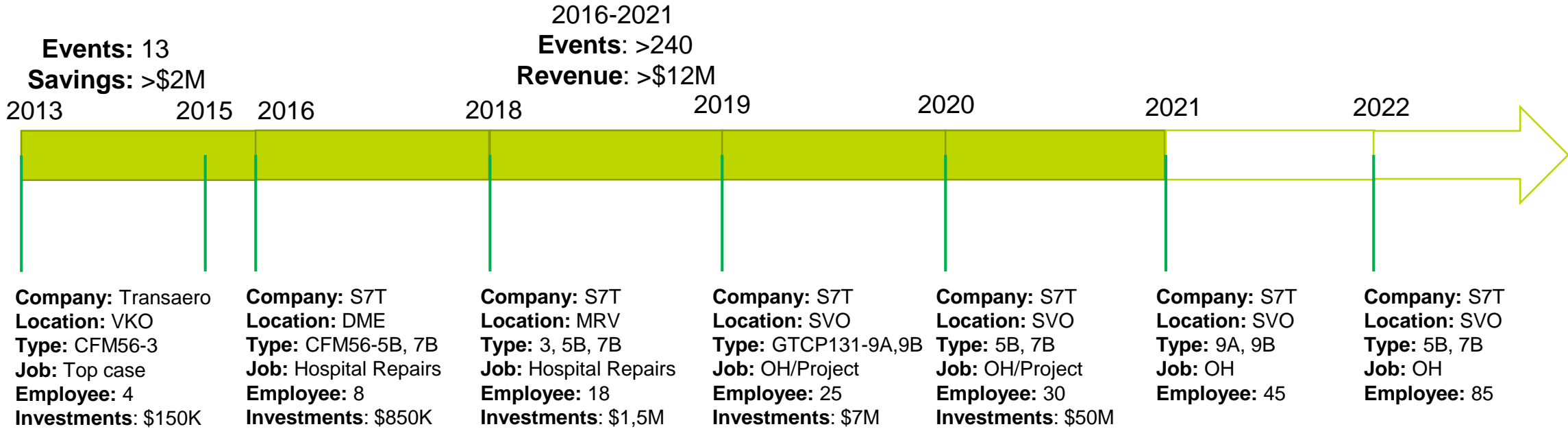


Deep level of Engine  
Disassembly/  
Assembly

AMM criteria  
application during  
inspection



# OUR HYSTORY





## WHY DO WE EXIST?

WE EXIST TO PROVIDE DEMANDABLE AND HIGH QUALITY SERVICE ON MARKET FOR ENGINE & APU REPAIRS AND SUPPORT CUSTOMER NEEDS.

CLEAR UNDERSTANDING WHAT WE ARE PROVIDING, WHY AND WHO IS OUR CUSTOMER IS OUR MAIN GOAL.

# OUR TARGETS

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- 1) Developing of product/services required by your customer (market):
  - Engine and APU repair with:
    - a) High quality with clear risk assessment approach
    - b) Reasonable TAT and cost
- 2) Clear understanding of our product/services and market position
- 3) Profit making for Stakeholders
- 4) Developing of the production culture and keep employees satisfied with company and their job
- 5) Continuous improvement and losses reduction
- 6) Developing of process approach
- 7) Developing of new products

## ENGINE SHOP: DME & MRV

SITUATION: AOG or Non-planned maintenance

A/C ground time and generated expenses are much HIGHER than the repair cost

Example: Top case

- \$200K - \$250K Airline loses
- \$50K repair cost

Importance level: 1 – Low ... 5 – High

Slot/TAT: 5

Quality: 5

Repair cost: 3

NN	CUSTOMER DEMAND	OUR REPLY
1	Engineering support/advising	Have an expertise, work with each request
2	Customized workscope	Propose standard workscope which meets customer requirements for minimum of 80%
3	Closest slot	Make production/engineering every time ready (tooling, material, personal)
4	Short TAT	Standardized workscope and inspection level, meet TAT for minimum of 80%, ones it was confirmed by production. Do not touch production ones slot/TAT was confirmed
5	Quality of performed works	Keep people work with minimum deviations/inputs. Train to standard procedures, practices
6	Reasonable cost	Make a proposal with company target margin. Do not try to make more money on customer problem

## ENGINE & APU SHOP: SVO

SITUATION: Planned maintenance supported by spare engine and reserves

Engine repair cost is the key point

Example: CFM56 Core Performance Restoration

- \$5M - \$6M repair cost
- \$150K one month spare engine lease

Importance level: 1 – Low ... 5 – High

Slot/TAT: 4

Quality: 5

Repair cost: 5

NN	CUSTOMER DEMAND	OUR REPLY
1	Repair cost	Cost control on each stage: production, engineering, purchasing, repairs, sales.
2	Standard workscope, which meet re-delivery condition	Work with the customer standard workscope. Protect yourself through the contract and workscope obligations.
3	Reasonable planned slot	Adjust engine induction into planned slot (TACT system).
4	Reasonable market TAT	Focus on procedures, especially parts external repair and procurement. Worscope extension should be also controlled as the deviation.
5	Quality of performed works	Split works on-to minor standard procedures. Keep people work with minimum deviations/inputs. Train to standard procedures, practices. Have and experts on each minor standard procedure.

# OUR FUTURE

Model	Capability	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
CFM56-3	Hospital	Available	Available	Available	Available	Available	Not available	Not available	Not available	Not available	Not available	Not available
CFM56-5B	Hospital	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
	Full	Not available	Not available	Available	Available	Available	Available	Available	Available	Available	Available	Available
CFM56-7B	Hospital	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
	Full	Not available	Not available	Available	Available	Available	Available	Available	Available	Available	Available	Available
LEAP-1B	Hospital	Not available	Not available	Not available	Not available	Not available	Available	Available	Available	Available	Available	Available
	Full	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Available	Available	Available
PW GTF	Hospital	Not available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
	Full	Not available	Not available	Not available	Not available	Not available	Not available	Available	Available	Available	Available	Available
SaM-146	Hospital	Not available	Not available	Not available	Not available	Not available	Available	Available	Available	Available	Available	Available
ПД-14	Hospital	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Available	Available	Available
GTCP131-9A	Full	Not available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
GTCP131-9B	Full	Not available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
RE220	Full	Not available	Not available	Not available	Available	Available	Available	Available	Available	Available	Available	Available

 Available

 Not available

**Thank You!**

