



THE REPUBLIC
OF BURYATIA



TVS-2DTS “BAIKAL”

**NEW LIGHT
MULTIPURPOSE AIRCRAFT**

KEY COMPETITIVE ADVANTAGES



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- Improved adaptation for operation in the Northern regions;

- Affordable cost of a flight hour

- Increased flight range

- Increased cabin usable volume

- The ability to fly day and night

- Operation from soil, ice and snow sites

- Out-of-hangar storing capability

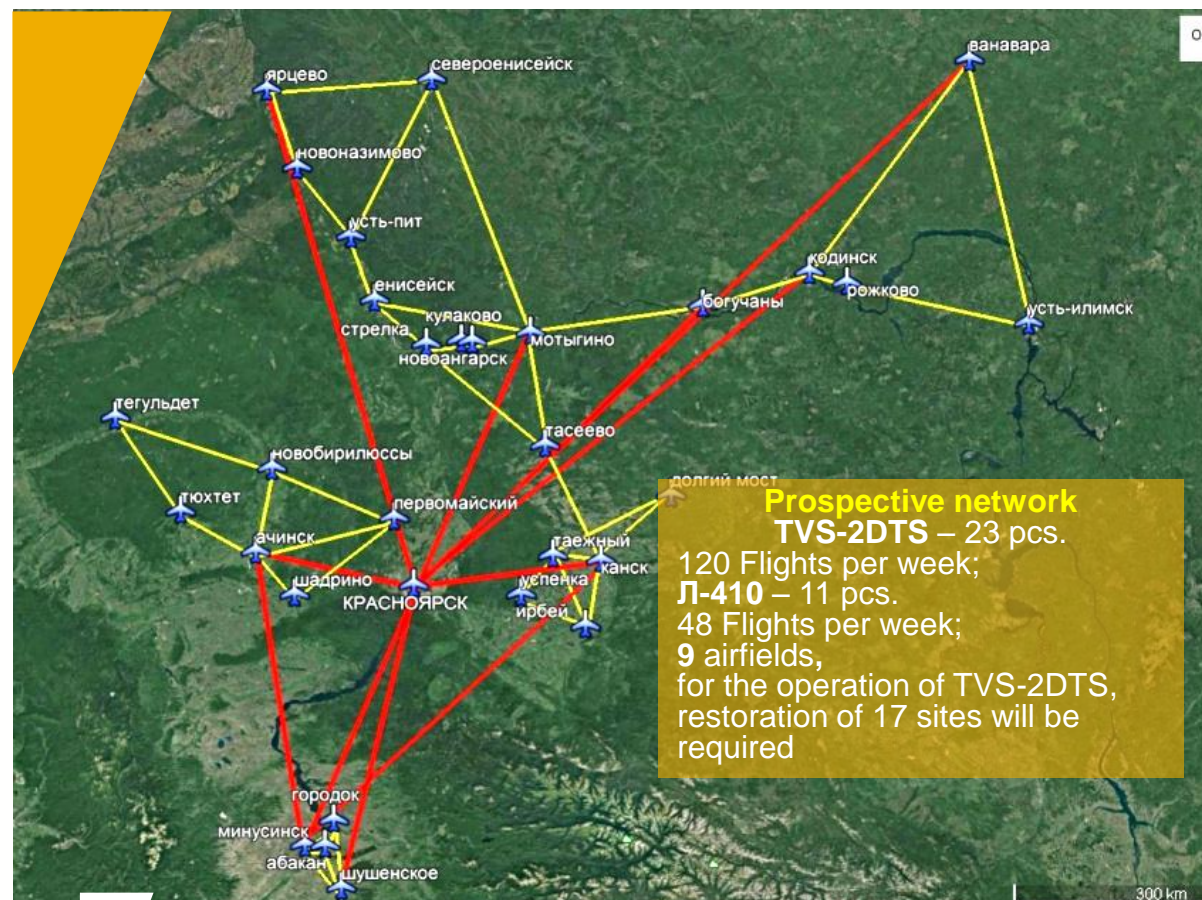
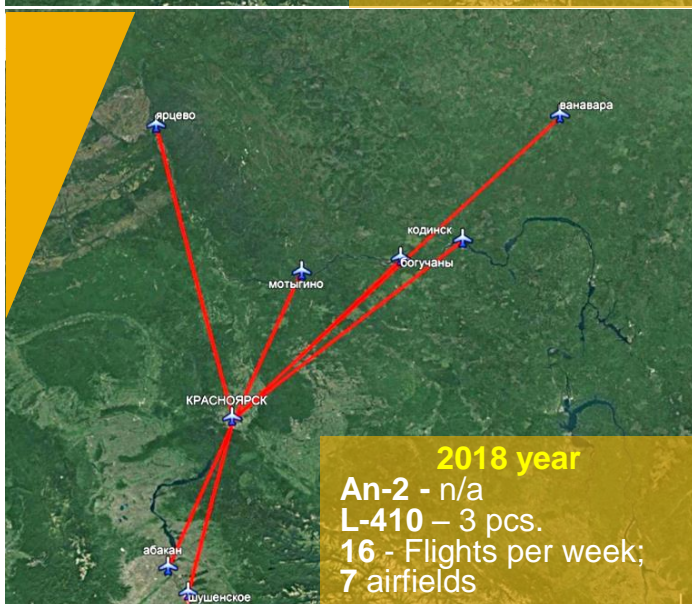
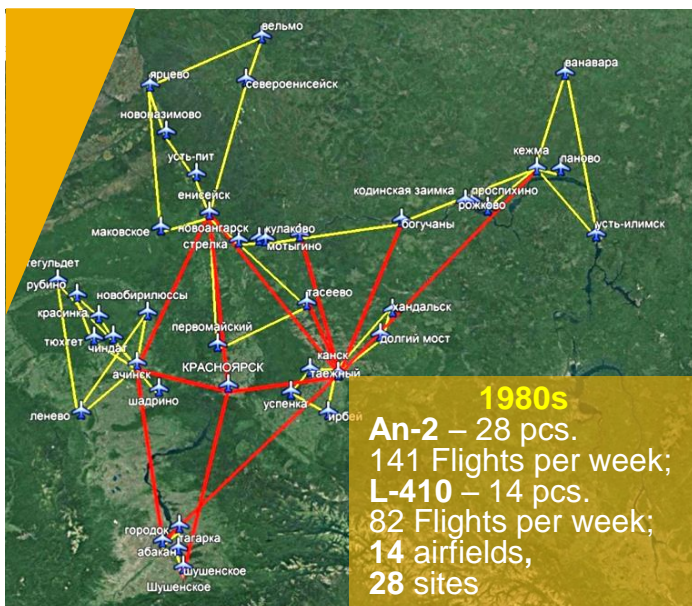
- Multifunctional flight-and-navigation equipment system with Garmin G3X Touch synthetic vision function



Prospects for the integration of TVS-2DTS aircraft into the regional routes network using the example of the Krasnoyarsk Territory



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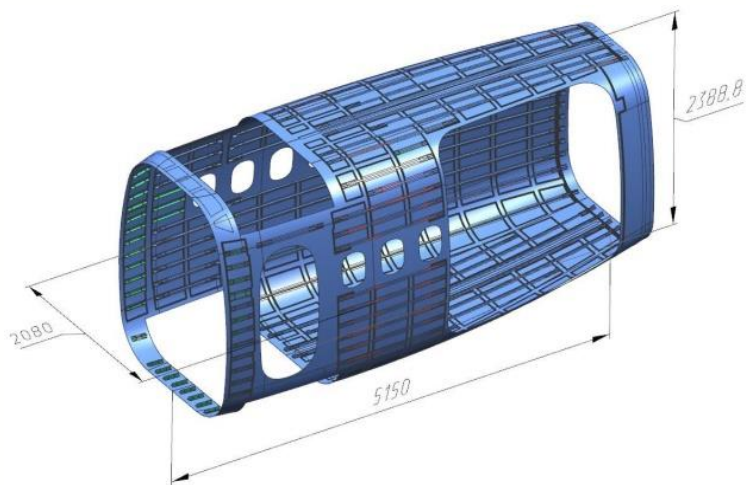
NOTE: The need for the An-2 in the USSR was 3,500 aircraft. The performance of TVS-2DTS is 2 times higher than that of the An-2, which means today at least 2000 TVS-2DTS aircraft are needed

INCREASED CABIN USABLE VOLUME



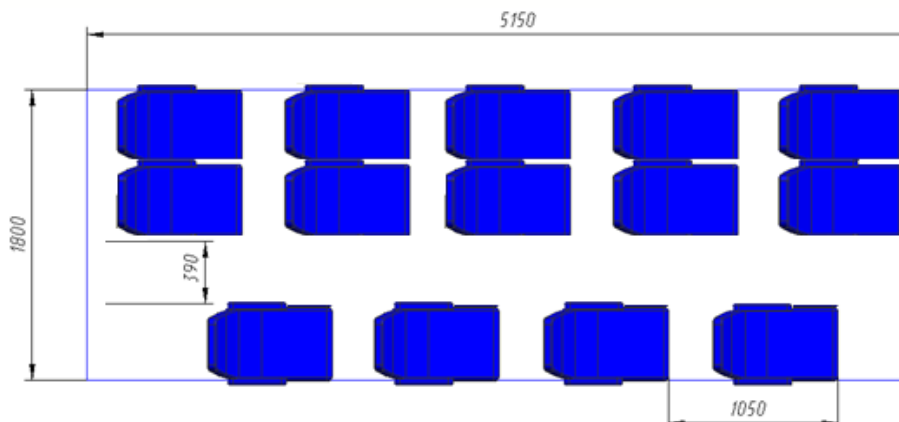
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Cabin dimensions

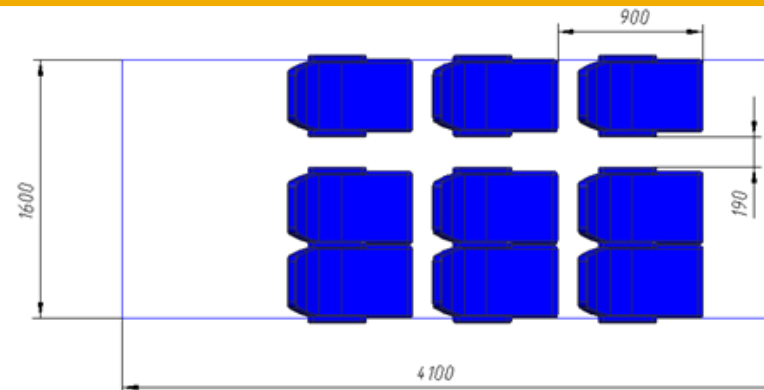


Comparison of cabin dimensions of the An-2 (9 seats) and TVS-2DTS (14 seats)

TVS-2DTS



An-2



Value	Cessna Grand Caravan EX	TVS-2DTS	An-2
Length, m	5,10	5,15	4,10
Width, m	1,63	1,80	1,60
Height, m	1,37	1,80	1,80
Volume, m ³	11,4	16,7	11,8

Comparison of the TVS-2DTS performance with MAIN competitors



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Parameters	Cessna Grand Caravan EX	Pilatus PC-12	TVS-2DTS*
Take-off run	658	808	150
Landing ground roll	560	558	170
Cruise speed, km/h	343	500	330
Lifting capacity, kg	1943	1400	3000
Flying range, km	1700	3042	4800
Maximum ceiling, m	4200	9100	4400
Length, m	12,67	14,4	14,7
Height, m	4,52	4,3	4,55
Wing span, m	15,88	16,2	19,76/14,0
MTOW, kg	3969	4740	7400
Air crew	2 (1)	2	2 (1)
Passenger capacity	9-12	9	9-14
Engine	Pratt & Whitney PT6A-140 (867 hp)	Pratt & Whitney PT6A-67B (1200 hp)	Garret TPE331-12UAN (1100 hp) / ТВД-20-03 (1300 hp)
Parameters	212	200	186

*Attested performance as of 29.12.2018 by an engineering prototype.

THANK YOU FOR ATTENTION



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