



SPETS
TECHNO
EXPORT

AN-178

MEDIUM TRANSPORT
MULTIPURPOSE AIRCRAFT





AN-178 IS MEDIUM TRANSPORT MULTIPURPOSE AIRCRAFT

of the family AN-148/158 (avionics and systems from AN-158).

It was designed to replace AN-12 and C-160

AN-178 with a cargo door and a ramp in the tail section is intended for delivery of personnel, weaponry and light military vehicles, for transportation of material assets, mail and other cargoes in bulk, containerized and palletized freights. The maximum payload is 18 tons. In emergency situations, AN-178 is able to evacuate civilians from disaster areas, casualties at standard stretchers and airdrop paratrooper rescue teams



CRUISING ALTITUDE

12200 m



CRUISING SPEED

825 km/h



FLIGHT RANGE WITH CARGO 10 T

3680 km



MTOW (STANDARD/OVERLOAD)

51000 kg/52400 kg



MAX CARGO LOAD

18000 kg



ENGINES

2 X D436-148FM

MAIN SPECIFICATIONS

AN-178 can be operated from/to both unpaved runways and those with an artificial pavement. The airplane allows flying by day and night under normal and adverse meteorological conditions operating from aerodromes located in geographic latitudes between from 73° North to 55° South

**OVERALL LENGTH**

32,23 m

**OVERALL HEIGHT**

9,65 m

**WINGSPAN**

30,57 m

**CREW**

2+1

**SOLDIERS**

100 persons

**PARATROOPERS**

84 persons

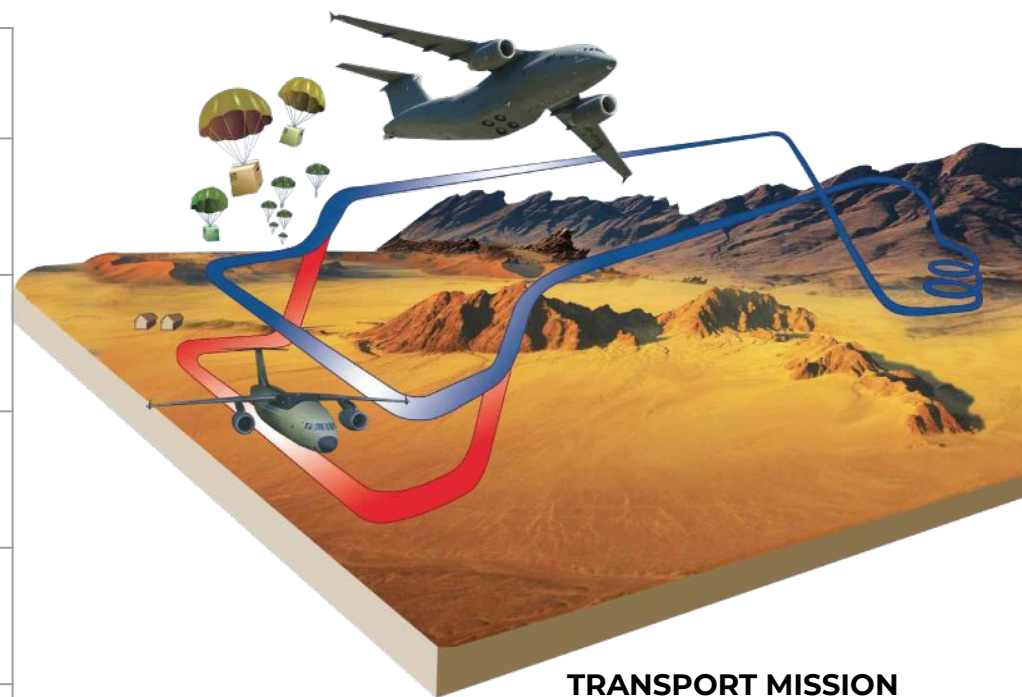
**WOUNDED AT THE STRETCHERS + AT SEATS**

40+15 persons



MODIFICATIONS

	CIVIL AIRCRAFT	MILITARY AIRLIFTER		
	Ordinary runway	Ordinary runway		STOL
Maximum payload	16,0 t	15,0 t	18,0 t (overload)	7,0 t
Practical range with cargo				
18 t	-	-	990 km	-
15 t (16 t for civil aircraft)	1620 km	1610 km	2040 km	-
10 t	3950 km	3500 km	3890 km	-
5 t	4700 km	4620 km	4620 km	2000 km
Ferry range	5300 km	5230 km	5230 km	4380 km



TRANSPORT MISSION

AN-178 transport aircraft is a platform for the development of the whole range of modifications for civil and military purposes:

- Military transport aircraft
- Civil transport aircraft
- SAR
- Medical aircraft
- Aircraft for emergency situations

ONBOARD MAINTENANCE CONTROL SYSTEM

for optimization of the
maintenance process

LANDING GEAR

for operations on
unpaved runways

WINGLETS

fuel consumption
reduction

PRACTICAL RAMP

with a kneeling system



PRESSURIZED CARGO CABIN

for the purpose of
completion of standard
military and civil missions



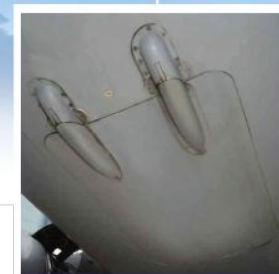
APU

autonomous
operations



EMBEDDED DOOR

with integrated
stairs



EMERGENCY HATCH

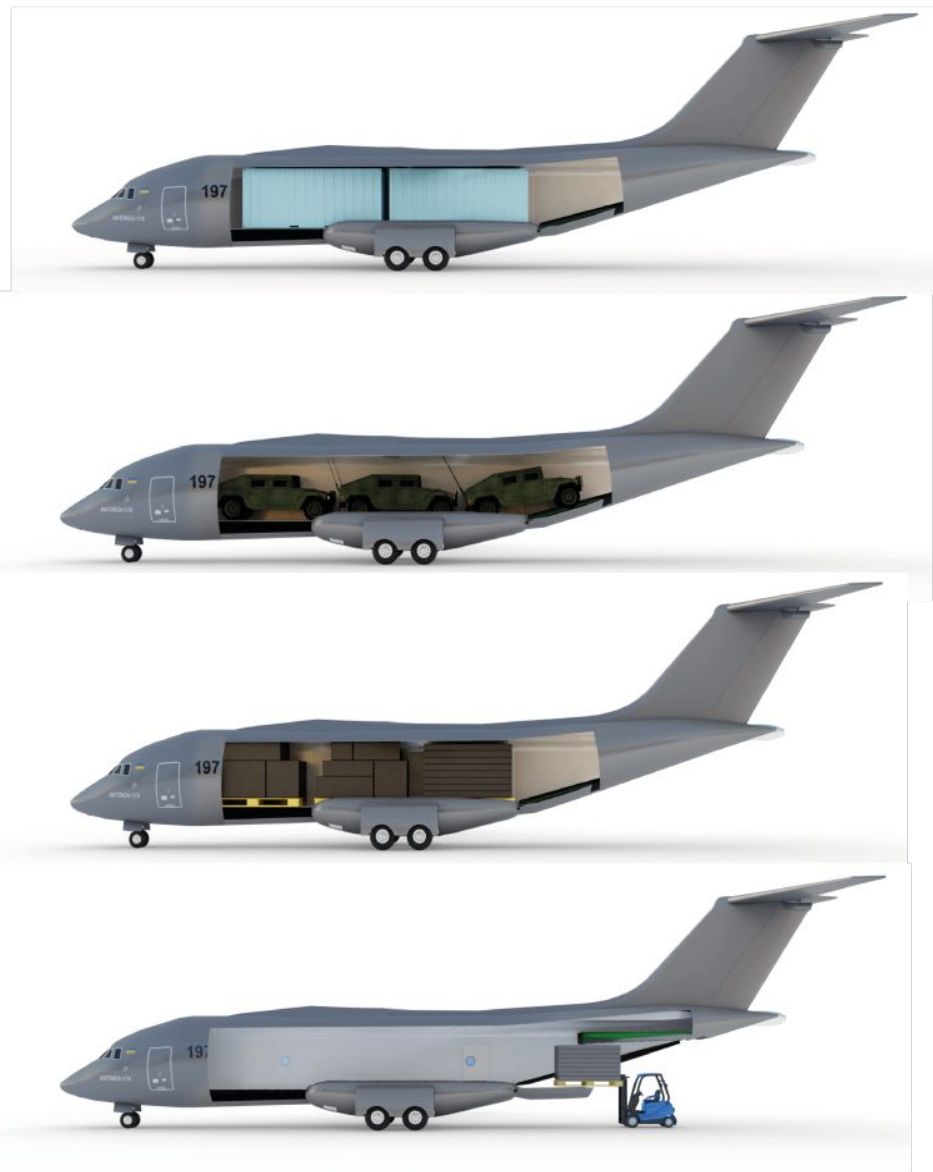
evacuation of personnel at
emergency conditions

AN-178 cargo compartment dimensions are capable of carrying a wide range of general cargoes, including sea containers, military and humanitarian cargoes. The aircraft is equipped with a main landing gear kneeling system intended to simplify the loading of the vehicles into the cargo compartment. Due to the capabilities of the onboard loading complex (option), AN-178 can perform autonomous cargo loading/unloading when additional ground handling equipment is not required

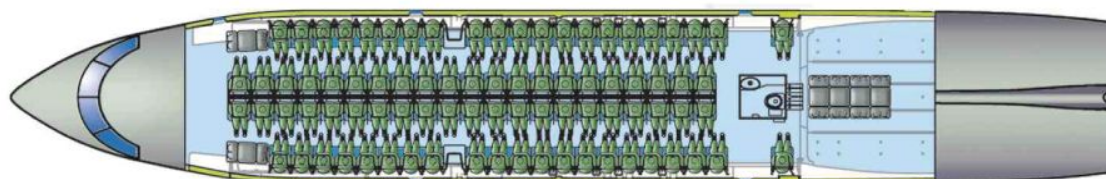
THE AERIAL DELIVERY SYSTEM ENABLES TO CARRY OUT THE FOLLOWING

- single, group and serial airdropping of cargoes, as well as air mission landing
- transportation of troops and their para dropping through the cargo hatch and fuselage doors in two groups (option) or through the cargo hatch in one group

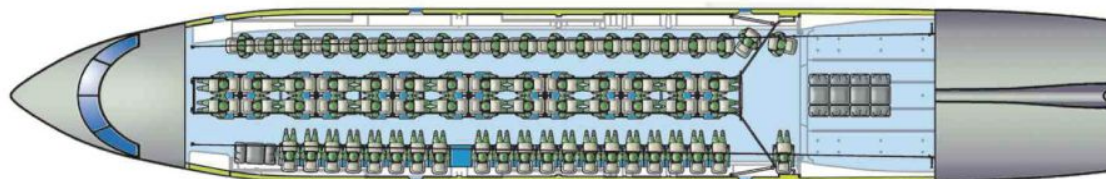
AN-178 enables to perform airdropping of mono cargoes weighing up to 7.5 t



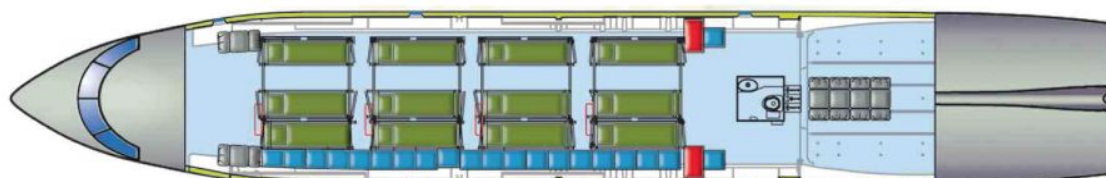
TRANSPORTATION OF PERSONNEL



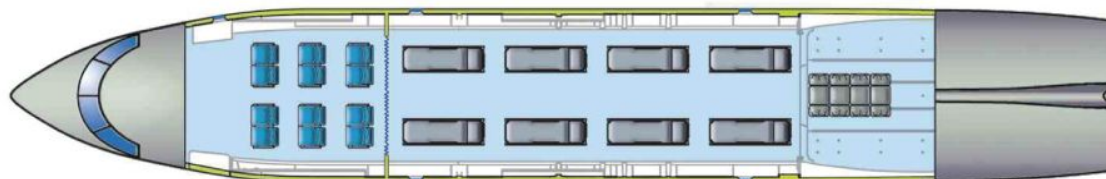
100 SOLDIERS



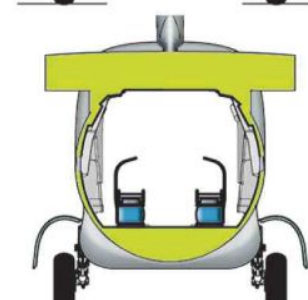
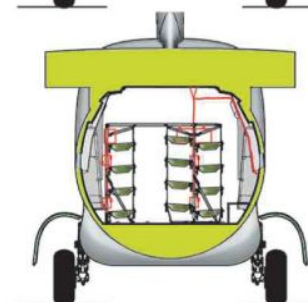
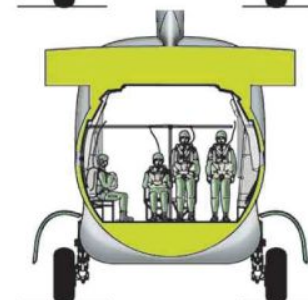
84 PARATROOPERS



40 WOUNDED AT THE STRETCHERS + 15 AT SEATS



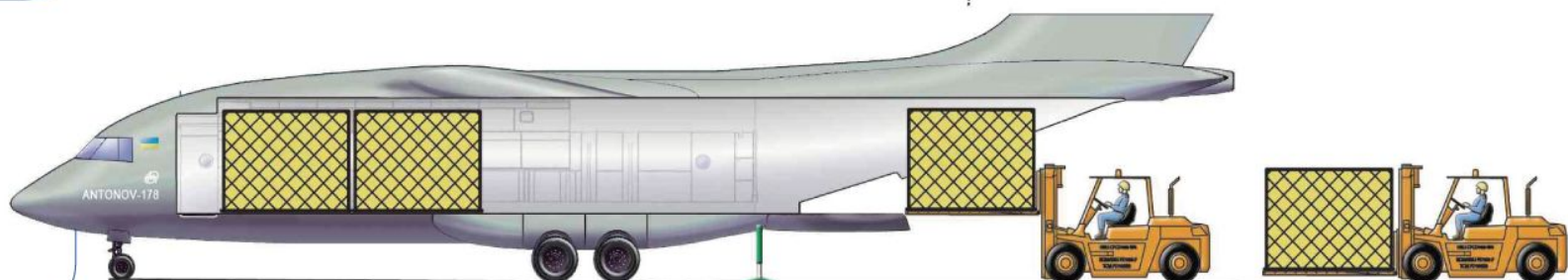
8 MEDICAL MODULES + 12 ATTENDANTS



LOADING OF PALLETS AND CONTAINERS BY HANDLING MACHINE



LOADING BY FORKLIFT



LOADING THE TURBOJET ENGINE BY UPPER HANDLING EQUIPMENT (OPTION), MAX CARGO WEIGHT UP TO 8 T



TRANSPORTATION OF CONTAINERS AND PALLETS

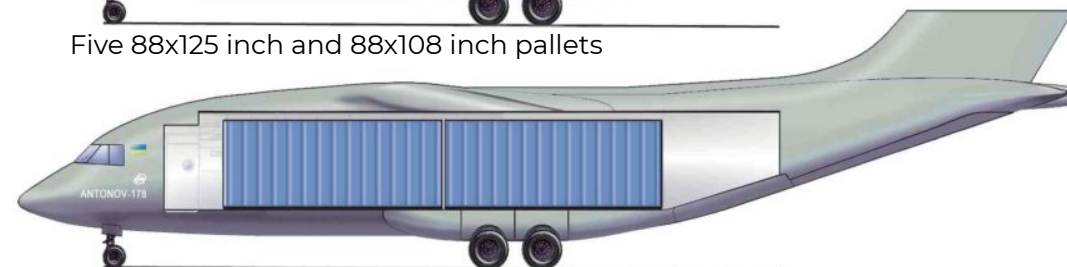
CARRIAGE	ITEMS	WEIGHT
Containers		
M1 96x96x125 in (2,438x2,438x3,175 m)	4	16,0 t
M2 96x96x238,5 in (2,438x2,438x6,058 m)	2	16,0 t
M3 88x96x125 in (2,235x2,438x3,175 m)	4	16,0 t
1D 96x96x117,8 in (2,438x2,438x2,991 m)	2	16,0 t
1C 96x96x238,5 in (2,438x2,438x6,058 m)	2	16,0 t
Pallets		
88x108 in (2,235x2,743 m)	5	16,0 t
88x125 in (2,235x3,175 m)	4	16,0 t
96x125 in (2,438x3,175 m)	4	16,0 t
96x238,5 in (2,438x6,058 m)	5	16,0 t



Four 88x125 inch and 88x108 inch pallets on cargo ramp



Five 88x125 inch and 88x108 inch pallets

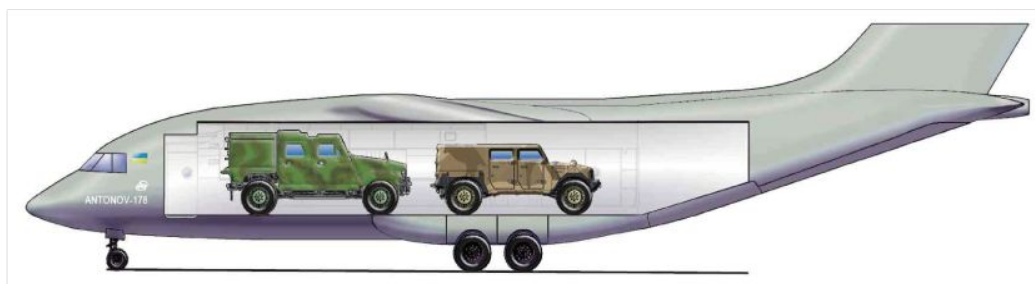


Two 1C containers

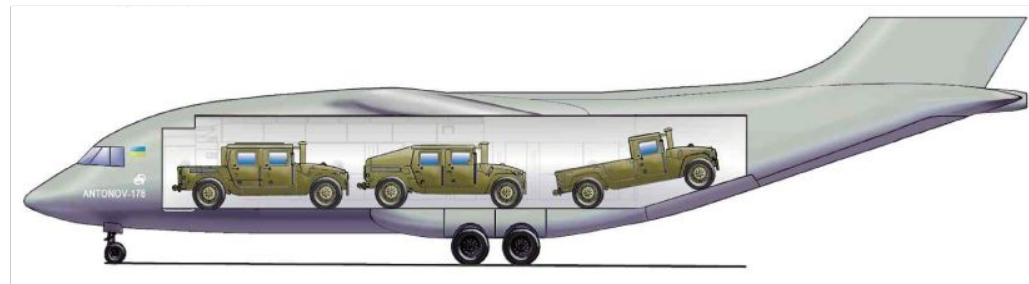


Cargo in bulks under a net

TRANSPORTATION OF SELF-PROPELLED VEHICLES



EAGLE 4x4 + SHERPA 2 4x4



HMMWV M1165A1, M1167A1, M1152A1



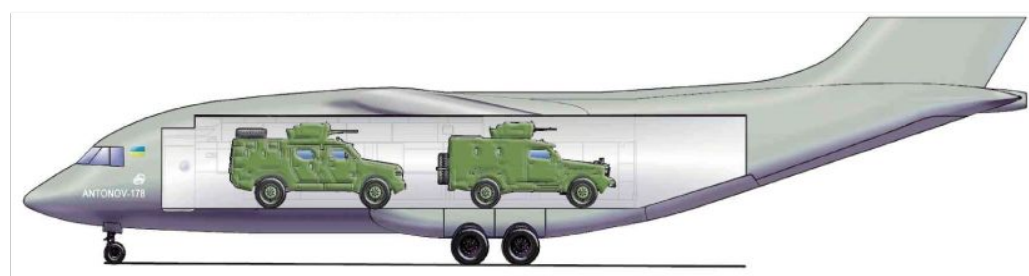
M113A-3 + GAZ 66



HMMWV M1165A1 + 3 Phantoms



KMW F2



BARS 8 and BARS 6

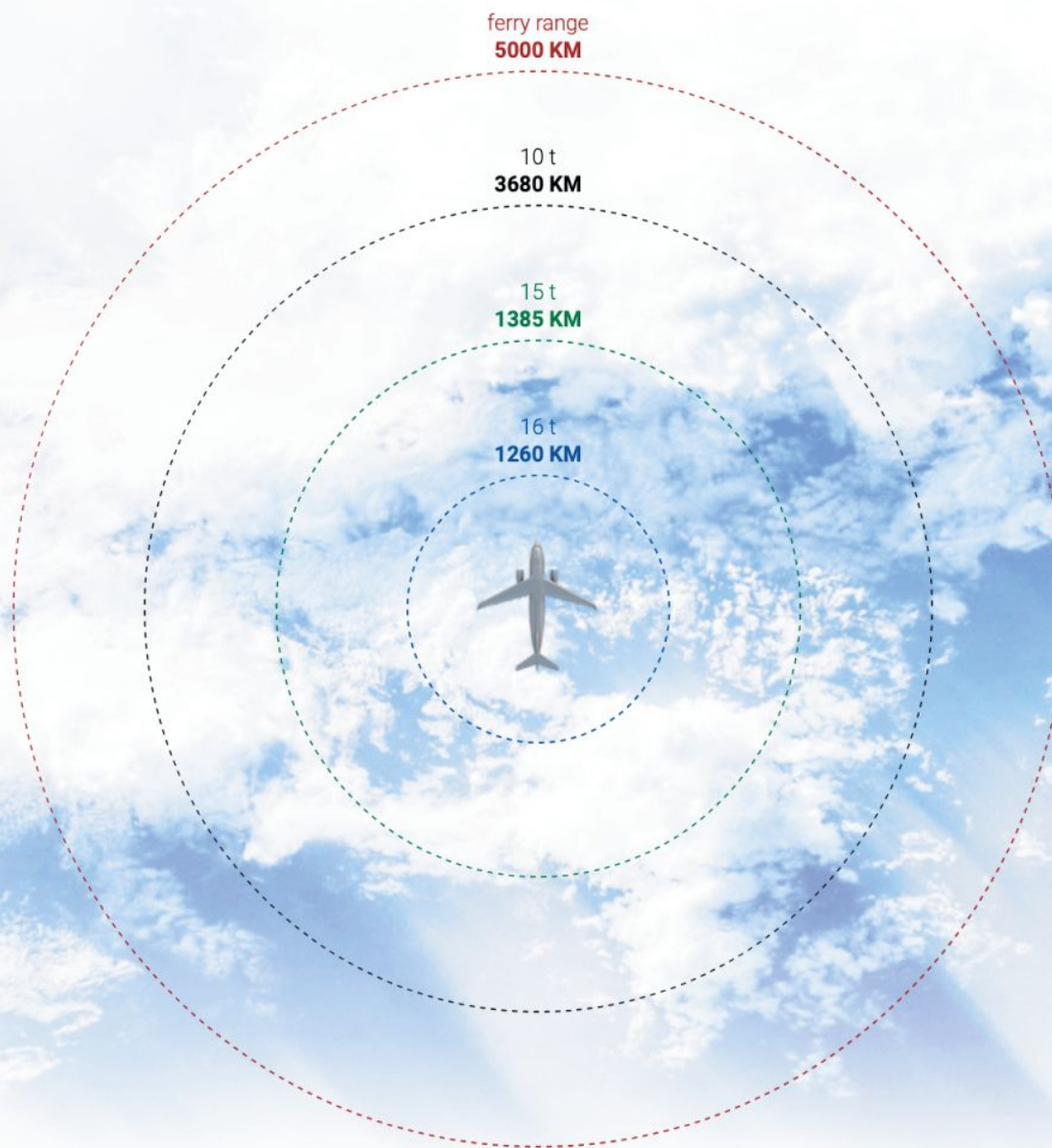
AIRCRAFT EXTERIOR







FLIGHT RANGE OF AN-178





EST. 1998

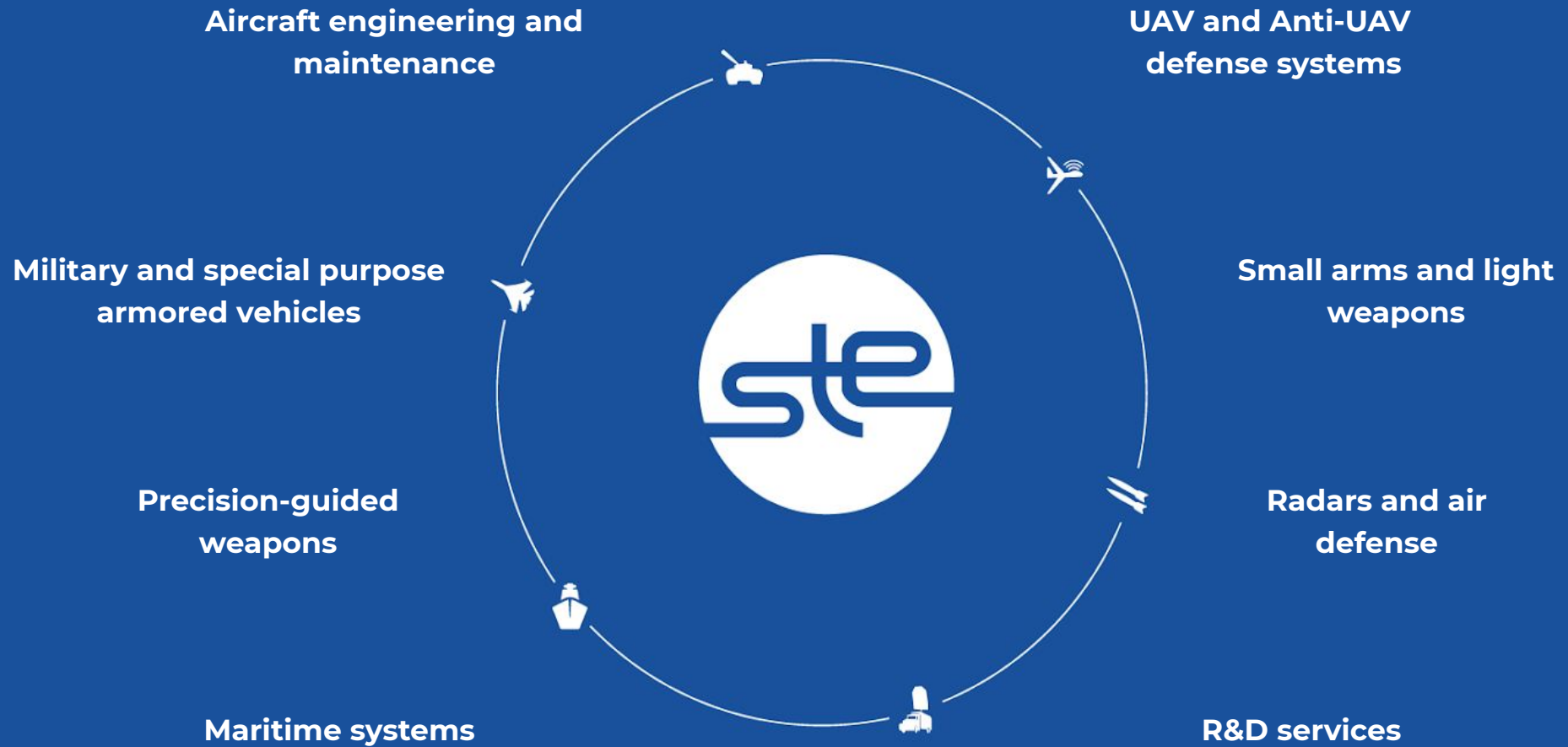
SPETSTECHNOEXPORT

A major Ukrainian state-owned foreign trade enterprise, which specializes in export and import of military and dual-use products and services globally, as well as on promoting innovations, transfer of technology and military-technical cooperation

_____		OVER	_____
22	30	170	30
years of experience	partner countries	state and private producers	research centers and design bureaus



OUR EXPERTISE





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