...
(c) ALLWEE Foreign Trade Company Profile & Technical Proposal
(j) Aviakon Company Profile & Technical Proposal
Nearly 80,000 Employees

Ukrboronprom management has developed a promising model of industry-specific clusters with clear specialization. We are proud that Ukraine is one of the few countries in the world that has great technological knowledge in the industry and a full production cycle.
GOVERNMENT-AUTHORIZED EXPORTERS

To carry out export and import of military and double use products with 20+ years of experience in 90+ countries worldwide.
AVIATION INDUSTRY

YOUR RELIABLE WINGS

UkrOboronProm Aviation cluster - Ukrainian Aircraft Corporation with powerful aircraft repair enterprises - also has a unique enterprise "Antonov" with a complete cycle of modern aircraft and UAV production: 70 years of activity, +22000 aircrafts, +100 types and modifications. Our aircraft are used in 75 countries.

WE DO:
- Aircraft research, design, production, overhaul repair and modernization
- Design, development, production, maintenance, repair, and certification of military and civil aircraft engines, UAV engines.
- UAV design and production.
- Produce:
  - Aircraft equipment, systems, aggregates and devices.
  - Radio-electronic equipment.
  - Ground launchers, maintenance equipment.
  - Rotary-wing and light fixed-wing platforms.
  - Platforms overflight repair and modernization.
  - Control systems.
AN-225 MRIYA
SUPER HEAVY CARGO AIRCRAFT

The unique aircraft has been created to perform wide-range of cargo transportation services (large-size, heavy, long-range) with load weight up to 250t.

Flight range with 250t load: 4000 km
Flight range free: 14400 km
Runway length: 3000-5000 m

AN-124 RUSLAN
HEAVY CARGO AIRCRAFT

The RUSLAN is heavy military transport aircraft, it is the biggest aerial heavy lift in the world. It is intended for the transportation of heavy and oversized cargo and various special-purpose vehicles.

Flight range with 300t load: 5000 km
Flight range free: 14400 km
Runway length: 3000 m
Max take-off weight: 140t

AN-178
MEDIUM TRANSPORT MULTIPURPOSE AIRCRAFT

The AN-178 is medium transport multipurpose aircraft of the AN-140/141 family and systems from AN-140/AN-158.

Flight range with 10t load: 3000 km
Max take-off weight: 70t
Runway length: 2000 m
Max take-off weight: 70t

AN-171 is intended to replace AN-12 and C-141 and provides with the following:
- Tilted tailplane through dimensions and cargo capacity
- Improved lift efficiency owing to operating it at instability of just one turbofan
- Correspondence to all modern requirements and standards due to the new engines and avionics of the new generation
AN-132D
LIGHT MULTIPURPOSE TRANSPORT AIRCRAFT

The AN-132D aircraft is a new generation of light multipurpose transport aircraft. It is designed for transportation of personnel, passengers, and wounded persons, as well as for cargo and dropping.

- 3 x D-30KU-150 engines
- SL 6000
- SL 4000
- SL 8000
- SL 460

- Range:
  - up to 9000 km
  - up to 5000 km
  - up to 4000 km

AN-148
REGIONAL AIRCRAFT

AN-148 is a high-performance aircraft intended for pararescue, rescue, and transportation of regional and short-haul air routes.

- 2 x D-30KU-150 engines
- SL 12 000
- SL 6 000
- SL 4 000
- SL 8 000
- SL 3 000
- SL 2 000
- SL 1 000
- SL 400
- SL 200

AN-158
REGIONAL PASSENGER AIRCRAFT

AN-158 is a regional passenger aircraft. It can perform the transportation of 35 passengers or a mixture of passengers and cargo, with a range up to 3000 km and up to 25 passengers and 700 kg of cargo. It can also be used for cargo transportation.

- 2 x D-30KU-150 engines
- SL 11 000
- SL 9 000
- SL 7 000
- SL 5 000
- SL 3 000
- SL 1 000
- SL 500
- SL 250

- Take-off weight: 14 000 kg
- Landing weight: 9 000 kg
- Cruise speed: 800 km/h
- Range: 1500 km
- Service ceiling: 8000 m
- Payload: 700 kg
- Towing capacity: 10 000 kg
**SU-22**

FIGHTER-BOMBER

Su-22 fighter-bomber with variable geometry wings is intended to defeat ground and aerial targets of enemy, to support ground troops, to deliver tactical air reconnaissance day and night in normal and adverse meteorological conditions.

- Two 30 mm guns NR-30 (50 rounds per gun)
- Combat load - 4,000 kg on 12 hardpoints
- Air-to-air guided missiles R-60
- Fuel tank combo, up to 500 kg
- Multipurpose all-weather bomb KAB-500Kr and KAB-500F

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**SU-24**

BOMBER

Su-24 strike front-line bomber is intended to break through enemy air defense and to gain air superiority in any meteorological conditions, day and night, in tactical and operational tactical drops.

- Two 30 mm guns GAU-23A/B with 500 rounds
- Guided and unguided air-to-surface armament, air bombs
- Rocket
- Air-to-air guided missiles (not yet delivered by MiG-23 or MiG-27)

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**DELFIN**

LIGHT MULTI-PURPOSE AIRCRAFT

Light multi-purpose aircraft "Delfin" is a single-engine helicopter aircraft with swept wings, vertical and horizontal tail. Located on a frame driven propeller and tail inductance, landing gear with controllable nose wheel. Aircraft V1 "Delfin" is equipped with quick-acting recovery system (KPU) with KPU-1500 motor that pulls the aircraft in the air.

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**L-39**

TRAINING AIRCRAFT

The L-39 aircraft is designed for training and maintenance, and for flying training.
**SPARROW**

UNMANNED AERIAL SYSTEM

SPARROW Unmanned Aerial System is designed for aerial surveillance at a range up to 20 km. The wing span is 3.5 m, significantly increasing the UAV's flight character and performance compared to other systems in the category. Durable small dimensions and materials used make it extremely suitable for both military observation and for civilian systems.

**Visibility**

- Up to 20 km
- Propulsion: Electric engine
- Data transmission: 128 kbps
- Transmission: 2-axes stabilized gimbal equipped with FLIR system and thermal imager
- Navigation: Global Navigation Satellite System

**ANSEIR**

UNMANNED AERIAL SYSTEM

And SP Unmanned Aerial System is designed for aerial surveillance day and night. Valables payload in combination with a FLIR system, radio communication and electrochemical detector system. The system does not need any specialized personnel for control and can be operated by any weather conditions.

**Fuel and Navigation**

- 400 liters of fuel
- 100 km navigation

**Observer-S**

UNMANNED AIRCRAFT SYSTEM

OBSERVER-S - an unmanned aerial vehicle of the aircraft type, with a range of up to 50 km. The wing span is 3.5 m, significantly increasing the UAV's flight characteristics compared to the other systems in this category. Durable small dimensions and materials used make it extremely suitable for both military observation and for civilian systems.

**Flight range with data transfer**

- Up to 20 km
- Electric engine
- Transmission: 2-axes stabilized gimbal equipped with FLIR system and thermal imager
- Navigation: Global Navigation Satellite System

**Flight range with data transfer**

- 75 - 100 km
- 1 - 5 m
- 20 - 30 km
- 0.0 - 300 kg
AI-9V FAMILY
AUXILIARY ENGINE

The engine is used as a power source on the helicopter's auxiliary engines. It provides the necessary power for the helicopter's auxiliary systems, including the auxiliary engine's starting system and the auxiliary engines that power the helicopter's electrical system and navigation equipment. It is also used in the Mi-8, Mi-17, Mi-171, Mi-24, Mi-28, Mi-28N helicopters. The engine has received the Type Certification.

<table>
<thead>
<tr>
<th>Specification</th>
<th>Ai-9V</th>
<th>Ai-9V series 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated rotational speed, RPM</td>
<td>6,000–6,000</td>
<td>6,000–6,000</td>
</tr>
<tr>
<td>Air blower, kg/h</td>
<td>8.4</td>
<td>8.4</td>
</tr>
<tr>
<td>Boost at sea level, %</td>
<td>0.2</td>
<td>0.2</td>
</tr>
<tr>
<td>Fuel consumption, kg/h</td>
<td>3.45</td>
<td>3.45</td>
</tr>
<tr>
<td>Fuel consumption, kg/h</td>
<td>36</td>
<td>36</td>
</tr>
</tbody>
</table>

AI-28
TURBOFAN ENGINE

The AI-28 is an ultra-hypersonic engine of the new generation. It is designed to power An-178 and An-188A aircraft, as well as other similar aircrafts. The engine has significantly improved performance characteristics compared to its predecessors.

<table>
<thead>
<tr>
<th>Specification</th>
<th>AI-28</th>
<th>AI-28 Series 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max thrust, kN</td>
<td>36,000</td>
<td>36,000</td>
</tr>
<tr>
<td>Thrust, kg</td>
<td>36,000</td>
<td>36,000</td>
</tr>
<tr>
<td>Thrust, kN</td>
<td>25,250</td>
<td>25,250</td>
</tr>
<tr>
<td>Thrust, kg</td>
<td>1,920</td>
<td>1,920</td>
</tr>
</tbody>
</table>

AI-20 FAMILY
TURBOFAN ENGINE

Designed for use on a wide range of military transport aircraft. The engine is used on the An-10, An-22, An-26, An-32, An-72, and An-140 and several other aircraft. It meets all the requirements of NATO standards and can be used in upgrades.

<table>
<thead>
<tr>
<th>Specification</th>
<th>AI-20A</th>
<th>AI-20B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max thrust, kN</td>
<td>6,200</td>
<td>6,200</td>
</tr>
<tr>
<td>Thrust, kg</td>
<td>6,200</td>
<td>6,200</td>
</tr>
<tr>
<td>Thrust, kN</td>
<td>1,920</td>
<td>1,920</td>
</tr>
<tr>
<td>Thrust, kg</td>
<td>1,920</td>
<td>1,920</td>
</tr>
</tbody>
</table>

AI-25TL FAMILY
TURBOFAN ENGINE

The AI-25TL engine is designed for use on Tu-204 and Tu-214 aircraft as well as other similar aircrafts. It has significantly improved performance characteristics compared to its predecessors.

<table>
<thead>
<tr>
<th>Specification</th>
<th>AI-25TL</th>
<th>AI-25TL Series 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max thrust, kN</td>
<td>10,000</td>
<td>10,000</td>
</tr>
<tr>
<td>Thrust, kg</td>
<td>10,000</td>
<td>10,000</td>
</tr>
<tr>
<td>Thrust, kN</td>
<td>1,920</td>
<td>1,920</td>
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<tr>
<td>Thrust, kg</td>
<td>1,920</td>
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AI-25TL Family
TURBOFAN ENGINE

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<td>10,000</td>
<td>10,000</td>
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<td>1,920</td>
</tr>
<tr>
<td>Thrust, kg</td>
<td>1,920</td>
<td>1,920</td>
</tr>
</tbody>
</table>
**D-136/AI-136T FAMILY**

**TURBOSHAFT ENGINE**

The D-136 and D-136 series are used to power the Mi-26 and Mi-10T helicopters. The AI-136T-2 turboshaft engine is designed for powering a transport helicopter to improve its performance characteristics, especially in high temperature, environmental and mountainous conditions.

### Engine Specifications

- **Model:** AI-136T-2
- **Power:** 3,500 shp
- **Takeshaft Power:** 3,500 shp
- **Engine Weight:** 1,000 kg

**AI-450C FAMILY**

**TURBOShaft ENGINE**

The AI-450C (CM, CD, CP) turboshaft engine is designed for use as part of power plant installed in light multipurpose aircraft and ship types. The AI-450C (CM, CD, CP) is developed on the basis of the AI-420M engine gas generator.

### Engine Specifications

- **Model:** AI-450C (CM, CD, CP)
- **Power:** 4,500 shp
- **Weight:** 1,000 kg

**AI-322 FAMILY**

**TURBOFAN ENGINE**

The AI-322 engine is designed for powering the new generation of light fighter and combat aircraft with a thrust of Mach 1.2-1.4.

### Engine Specifications

- **Model:** AI-322
- **Engine Weight:** 5,000 kg
- **Takeshaft Power:** 1,800 shp
- **Takeshaft Weight:** 2,000 kg

**AI-450M FAMILY**

**TURBOSHAFT ENGINE**

The AI-450M (M1, M2) engine is designed for powering modernized Mi-26, Mi-38, Mi-24ZB, Mi-8/17 and new generation of helicopters. The engine has received the Type Certification, in commercial use.
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