



Mission & Flight



Maintenance & Systems



Ground & Support



Service & Advising



...the aviation experts

Your source for **FLIGHT PRODUCTS**



WHO WE ARE

TARGET-ORIENTED • PROJECT-RELATED • MANUFACTURER-INDEPENDENT

Global Aviation Systems GmbH, based in Donauwoerth, Bavaria, is your partner in aviation. Our products are used on the vast majority of aircraft types. With our four business units Mission & Flight, Maintenance & Systems, Ground & Support and Service & Advising, we accompany your project from the early development phase through to safe operation. To a large extent, we are manufacturer-independent and can therefore focus entirely on your requirements.

In addition to always having satisfied customers, precisely understanding your needs is also one of our most important goals. We are firmly convinced that this is the only way to achieve the best result for you. To reach this, we rely on highly trained technicians who are specialists in their respective fields. Our most important goal is your satisfaction and sustainable partnerships based on clear business ethics.



Mission & Flight

This business unit supports you in airborne reconnaissance projects from data acquisition to distribution and evaluation of all relevant (meta-) data.



Maintenance & Systems

For maintenance work on rotary and fixedwing aircraft, we provide you with the necessary know-how and the appropriate tools and systems. We have placed a major focus on the measurement and elimination of vibrations and on non-destructive testing.



Ground & Support

You will get the most suitable ground handling solution for your aircraft from this business unit. We ensure that you move your aircraft safely, apply power or hydraulic pressure, and fill it efficiently with gases or liquids.



Service & Advising

For each product you receive from us, we have developed a service and support concept. This concept usually starts with the regular calibrations as well as trainings and covers the whole period of use. In addition, we are your consulting service provider who supports and advises you on your questions.





Ground Service Equipment

StartStick:

SAFE LAUNCHING WHEREVER YOU ARE!

The StartStick is an ultra lightweight battery pack for engine starting. Due to the lithium-ion technology, this external power unit is very portable and several starts are possible with one charge. In addition, it is possible to recharge the StartStick on your own on-board power supply and thus take off from anywhere.

Visit us at: www.start-stick.eu



	StartStick 10	StartStick 15	StartStick 20
Weight:	4.81 kg	6.76 kg	9.21 kg
Voltage:	26.4 V	26.4 V	26.4 V
Capacity:	~10 Ah	~15 Ah	~20 Ah
Continuous current:	200 A	300 A	400 A
Max. current (pulse):	800 A	800 A	1600 A

Your advantages at a glance

- Weight savings
- Can be used at any time
- Battery monitoring with microcontroller
- Up to 6 starts with 1 charge

Features:

- Start engines
- Compressor washes
- Database updates
- Maintenance procedures





Ground Service Equipment

GPU and Coolspool FOR STARTING

These portable batteries are specially designed for aircraft launching.

Due to the particularly handy and compact design and the high power, these devices allow several convenient starts of helicopters and airplanes.

Your advantages at a glance

- Conserve on-board batteries
- Multiple launches per day
- Reliable take off



	12 V GA Pack	12 / 24 V GA Pack
Voltage:	12 V	12 V / 24 V
Peak Amps:	2400 A	2400 A
Capacity:	26 Ah	26 Ah
Weight:	12 kg	25 kg

Optionally with crocodile clips, Piper and Nato plug

	GPU 2400	GPU 2400 Twin
Voltage:	24 V	24 V
Peak Amps:	2450 A	4900 A
Capacity:	43 Ah	86 Ah
Weight:	34 kg	85 kg (Trolley included)

Specially developed for outdoor use

	Coolspool 29	Coolspool 29 Twin
Voltage:	26 V / 28 V	26 V / 28 V
Peak Amps:	2400 A	4800 A
Capacity:	26 Ah	52 Ah
Weight:	28 kg / 29 kg	70 kg (Trolley included)

26 V versions for voltage-sensitive aircraft



Ground Service Equipment

CONTINUOUS POWER SUPPLIES

The power supplies serve to relieve the on-board batteries and are suitable for avionic updates or maintenance work.

Due to their compact and lightweight design and the switchable voltage, they are very useful for database updates and avionics training.

Your advantages at a glance

- Permanently supply aircraft with power
- Conserve on-board batteries
- For updates and training
- Mains connection required



	PS 30	PS 50	PS 100	PS 300
Voltage:	14 V / 28 V	28 V / 31.5 V	28 V	28 V
Output current:	30 A	50 A	100 A	300 A

Designed for smaller business aircraft up to large helicopters

GROUNDPOWER COMBINATION UNITS

The GPU 1500/40 (Twin) and the Coolspool Combination (CSC) are combination units consisting of a power supply for continuous power with mains connection and batteries for engine start.

Thus, after preparation in the hangar, the same unit can be used for starting without any problems.



CSC



GPU

	CSC 200	CSC 300
Output Voltage:	28.4 to 29.4 V (DC)(adjustable)	28.4 to 29.4 V (DC)(adjustable)
Continuous current:	200 A	300 A
Peak Amps:	4800 A	5000 A
Capacity:	86 Ah at 10 hr.	114 Ah at 10 hr.
Weight:	115 kg	147 kg

Special modifications for each application

	GPU 1500/40 (Twin)
Voltage :	28 V
Continuous current:	40 A (80 A)
Peak Amps:	2400 A (4800 A)
Capacity:	26 Ah (52 Ah)
Weight:	26 kg (64 kg, Trolley included)



Ground Service Equipment

BATTERY RAMP CART

The combination unit for continuous and starting current serves as a mains-independent external current supply to relieve the on-board batteries of aircraft for maintenance work, training, flight preparation and starting procedures. A special feature is the easy handling of the robust housing with four wheels and towbar.

Your advantages at a glance

- High flexibility
- Hangar and ramp
- Continuous power plus starting
- Weatherproof housing for maintenance-free batteries
- CO₂ neutral



	JetGo 28-iBS	Coolspool 130	Coolspool 260
Voltage:	28 V	26 V	26V
Peak Amps:	2500 A	4000 A	8000 A
Capacity:	44 kWh	130 Ah	260 Ah
Weight:	1360 kg	157 kg	270 kg

Li-ion in iBS model + 10-year warranty

TRANSFORMER RECTIFIER

The TRU-28 is a current rectifier that provides 28 V to the aircraft. Due to the mains connection, it is possible to use continuous current almost indefinitely, and to start the engines.

	TRU-28
Voltage:	28 V
Continuous current:	600 A
Engine start capacity:	2400 A (sel.)
Protection-type:	IP55

Features:

- Minimal AC ripple
- Digital display, dynamic steering wheels
- Low harmonic distortion of the entire input

Your advantages at a glance

- Flexible use
- Continuous power and starting
- No batteries
- Hangar and ramp





Ground Service Equipment

DIESEL POWER UNITS

The JetGo provides continuous power and serves as a starting aid for aircraft engines. With this diesel GPU you get a 3-in-1 solution of mains-independent continuous power through a diesel genset, starting-aid batteries and continuous power by mains connection, which can also be used in the hangar.

Your advantages at a glance

- Utilization of old Jet A1 / JPB
- Hangar and ramp
- Flexible current
- All DC helicopters
- DC regional jets and turboprops



	JetGo 300	JetGo 900
Voltage:	28 V	24 V / 28 V option
Continuous current:	300 A	800 A
Tank:	33 litres	132.5 litres
Running time at 50 % load:	14 h	25 h
Weight:	568 kg	1354 kg



115 V AC / 28 V DC DIESEL POWER UNIT

The JetGo 45-400 AC power unit is a long-awaited development from our wide range of GPUs. This unit contains advanced active safety features for aircraft and delivers reliable performance to ensure optimum ground power. The JetGo 45-400 is for flexible use and covers a very wide range of applications. The Deutz diesel engine delivers 400 Hz / 115 V, as well as an optionally available 28 V output at a power of 45 kVA.

Typical applications

- Flexible use
- For the ramp
- Allrounder
- AC and DC aircraft



	JetGo 45-400 AC
Power:	45 kVA
Voltage:	115 / 200 V, 28 V
Frequency:	400 Hz
Tank capacity:	132.5 litres
Overload:	125 % (5 Min)
Weight:	from 1280 kg

Features:

- Fuel-efficient diesel hybrid design runs ~25 hours at 50 % load
- Automatic voltage compensation
- Digital display
- Emission class 5 without AdBlue
- Fully galvanized heavy-duty trailer with torsion spring suspension and fifth wheel towing hitch



Ground Service Equipment



400 Hz

BATTERY-GPU

The new battery-powered GPU provides up to 176 kWh for aircraft stationed at airports with limited infrastructure. A second output, which can also be assigned with 400 Hz or 28 V, adds to the flexibility of the GPU-409-iBs' usability. A special data link enables accurate monitoring and communication of all devices.



Features:

- Automatic line-drop compensation
- 10-year battery warranty
- Many years of high battery performance
- Lithium-ion batteries (5, 6, 7 or 8 batteries)
- Link for remote control
- Plug-in power module for quick maintenance
- Motorized or with towbar

GPU-409-iBS

Power:	110, 132, 154 or 176 kWh
Voltage:	200 / 115 V AC
Power Factor:	0.7 lag - 0.95 lead
Frequency:	400 Hz
Efficiency:	>95 % at 50 to 100 % load
Touraround (at 176 kWh by B737):	12
Charging time (at 125 A by 176 kWh):	up to 1 h 45 min

Typical applications

- Mains-independent continuous power (mobile)
- CO₂ neutral
- 400 Hz / 115 V, optional 28 V
- Airbus, Boeing and other 400 Hz aircraft



Ground Service Equipment

SIDEWINDER 2

The unique ground power transfer system is permanently installed yet flexible for power connection. "The power" can be driven to the aircraft ergonomically and quickly.

Features:

- New drag-link pivot design for easy maintenance
- 1 or 2 x 90 kVA outputs
- 4-wheel brake system
- High-visibility reflectors
- Large, low-resistance wheels for effortless deployment

Your advantages at a glance

- CO₂-free power
- Fixed locations at airports
- Airbus and Boeing models
- Extended cable and plug life



Sidewinder 2	
Available lengths:	12 m, 18 m, 24 m or other lengths
Installation:	Extendable left or right

Perfect combination of the PV90-4 and the 28 V DC devices (TRU-28)

GROUND POWER CONVERTER

This 400 Hz / 90 kVA electrical converter provides stable power even under extreme unbalanced loads, and its rugged stainless steel housing makes it suitable for fixed, as well as a variety of mobile applications in hangars or ramp.

The system is one of few systems on the market that fully complies with the DFS 400 directive.

Because of the large user-friendly 5.7" LCD display, system monitoring and power selection it is very easy to manage even in low light conditions.



	PV90
Power:	90 kVA
Voltage:	200 / 115 V
Power Factor:	0.7 lag - 0.95 lead
Frequency:	400 Hz
Efficiency:	>95 % at 50 to 100 %
Overload:	400 % (1100 A peak) 1 sec.

Typical applications

- Single or dual channel 90 kVA
- Optional 28 V
- Airbus, Boeing and other 400 Hz aircraft
- Mobile or fixed installation



Ground Service Equipment

GPU Connector

MAINTENANCE & TEST-KIT



Properly functioning GPU cables are an important part of aircraft safety and maintenance.

A damaged or broken cable connector can cause significant damage to the aircraft.

This test-kit can detect faults in AC (400 Hz) as well as DC (28 V) power plugs at an early stage.

This compact case contains:

- Temperature gauges
- Pin-in-bus tool
- Electronic tension scale
- Measuring adapter
- Charger
- Brushes for cleaning the socket
- AC & DC pin tool
- E&F + DC analysis tool

O₂/N₂ Carts

OXYGEN / NITROGEN SERVICE



The tiltable bottle rack enables bottles to be loaded and unloaded quickly and easily. The regulators can be mounted effortlessly on the existing brackets of the robust and powder-coated steel frame.

Due to the integrated towbar, the O₂ / N₂-service-trolley can be towed anywhere without any problems.

O₂ / N₂ Carts (Oxygen / Nitrogen):

- Booster in different versions
- 1-bottle hand cart
- 2-bottle nitrogen low-high pressure hand cart
- 2-bottle nitrogen hand cart (complete)
- 2-bottle oxygen hand cart (complete, hangar)

**Your advantages at a glance**

- Transportation of oxygen and nitrogen bottles
- Booster from bottles or compressed-air system
- With towbar or manual traversing
- Carts for 2-, 3- and 4-bottle systems



Ground Service Equipment

LAVATORY / WATER SERVICE CARTS

The developed Lavatory Carts stand for high quality, highly intelligent design and ensure short waiting times at the airfield.

Thanks to simple and fast maintenance, and the associated cost savings, our system is convincing both in the hangar and on the ramp.



Your advantages at a glance

- Waste water from on-board toilet and kitchen
- Fresh water filling
- Short waiting times
- Safety tank
- Very close to the aircraft with towbar

Lavatory service cart

Device type	Waste water tank	Fresh water tank	Pump type
LC60	132 litres	106 litres	Hand / Electric
LC100	257 litres	129 litres	Hand / Electric / Gasoline
LC180	416 litres	265 litres	Electric / Gasoline or Diesel
LC270	644 litres	379 litres	Electric / Gasoline or Diesel

Fresh water service cart

Device type	Fresh water tank	Pump type
WC30	114 litres	Hand / Electric
WC80	303 litres	Electric
WC100	379 litres	Electric
WC180	681 litres	Electric / Gasoline or Diesel
WC270	1022 litres	Electric / Gasoline or Diesel





Towing Solutions

TOWBARS/HEADS

We also supply our towbars in different designs for the specific type of aircraft or helicopter. You can choose between fixed with interchangeable heads (multi-head) and couplers.

Our towbars with intelligent technology are used at airports for regional, military, narrow body, wide body, FBO, MRO and general aviation applications worldwide.



FLAT TIRE DOLLY

This tire dolly is specially designed for aircraft with flat tires, so that anyone can quickly recover an inactive aircraft from the runway or taxiway alone.

Your advantages at a glance

- Handling of aircraft with flat tires
- Frees up the ramp quickly
- Up to 8 tons load capacity
- For nose, tail or main landing gear



WHEEL CHOCKS

Designed for large and small aircraft, these chocks are naturally resistant to UV, compression, skidding, oil and weather.

They are made from 100 % recycled post-consumer rubber. Each pair of chocks is connected by a yellow rope.

Product Assortment:

- 12-Inch Wheel Chock Holder
- 24" Wide-Body
- 52" Super-Heavy
- 8" GA Rubber, extra small
- GSE-Truck Urethane, yellow
- Large 24" Rubber, Reflective Strip
- Medium 18" Rubber, Reflective Strip
- Small 12" Rubber, reflective Strip
- W74 Pushback Tractor





Towing Solutions

ELECTRIC TOWBARLESS TRACTOR

The TPX-50-E is an electric towbarless tractor designed for pushback of most commuters, and single-aisle aircraft up to 57 tons, to move large cabin business aviation, regional, and charter aircraft.

Its unique AC/DC technology in this range of tractors increases driving comfort & lifetime and allows it to be more reliable, also reducing operating costs. The unit is capable of towing up to 56 700 kg (125 000 lbs) aircraft.

- Live-tested
- Using only 12 % battery charge while towing a 20 t aircraft for 4 km



	TPX-50-E
Maximum nose gear weight:	5.7 tons (12 567 lbs)
Maximum aircraft weight capacity:	56.7 tons (125 000 lbs)
Ground clearance:	139 mm (5.4 in)
Steering:	Hydrostatic, operating on steering axle (-80° / +80°)
Battery technology:	Li-ion (LFP)
Onboard charger:	Single phase 5 kW

Features:

- Heavy-duty design
- Zero Emission
- Cradle fits all NLGs, including inclined ones
- Fully electric & towbarless
- Low profile & very modular
- Front Camera





Transport Trolleys

TIRE SERVICE TRAILER

With the service trailer for changing aircraft tires, the tires are safely loaded and transported. The side ramp allows convenient parking next to the aircraft and very ergonomic loading.

The non-slip cart floor is used for the stability of the personnel and tires.

There is an additional space for customer adaptations, for example holders for N₂ bottles or tool boxes.

Your advantages at a glance

- Heavy-duty truck
- 3.6 tons capacity
- 5-wheel steering
- Pneumatic tires
- Spring-loaded ramp
- Customer specific customization



BAGGAGE AND CARGO CARTS

The Baggage and Cargo Carts, which are equipped with pneumatic tires, can be fitted with tarpaulins. Together with a stable towbar, these carts ensure safe transport of the luggage. Due to the braking device integrated in the cargo trailers, they can safely transport over 13.5 tons.

Your advantages at a glance

- Manually operated stops
- Spring-loaded
- Anti-slip walkway
- Rollers for easy loading and unloading





Steps and ladders

MAINTENANCE PLATFORMS AND PASSENGER STAIRS

The maintenance platform and work access stand is an updated, improved version of the longstanding standard B-1 maintenance platform used by the Air Force.

Various designs provide access for maintenance and into the passenger compartment.



Your advantages at a glance

- Height-adjustable work platform
- Non-slip, self-cleaning steps and platform floor
- Double-acting hydraulic hand pump
- Heavy-duty casters and 16-inch pneumatic tires
- Railing can be extended and stowed away
- Inclined stairs – base, stairs and platform remain parallel at all height positions



REFUELING PLATFORM

These aircraft refueling maintenance stairs are designed to accommodate diverse patterns in tight spaces.

The adjustable access for Narrow and Wide Body aircraft is raised and lowered hydraulically. Of course, all safety-relevant aspects are taken into account.



Typical aircraft

- Embraer ERJ 190-195
- ATR (all)
- BA 146 Airbus A300, A310, A318, A319, A321, A330, A340
- Boeing / McDonnell Douglas 747, 757, 767, L1011, DC10, MD11



All Weather Pump

MOBILE GAS STATION

The PortaPump serves as a mobile refueling station for refilling your helicopter or fixed-wing aircraft.

The fuel is filtered during refueling and defueling. This refueling station can be used anywhere due to its size and ease of use.

The PortaPump consists of:

- Fitted with replaceable facet filter cartridge
- Suction hose, approx. 3 m
- Suction pipe with coarse filter
- Grounding cable, approx. 2 m
- DC connection cable, approx. 3 m
- Filling hose, approx. 3 m, with filling nozzle and valve

Specifications:

- Weight: 27.5 kg
- Dimensions: 360 x 330 x 490 mm
- Voltage: 24 – 28 V (optionally 12 V)
- Peak current: 14 A
- Power: approx. 350 W
- Pump capacity: 100 litres per minute

Your advantages at a glance

- Mobile and flexible use
- Refueling without infrastructure
- Refueling with on-board power
- Refueling with 230 V
- Compact and lightweight
- Quick to use
- Can be combined with various GPUs
- Diesel or jet A1 (Kerosene)
- Compatible with mobile GPUs



Linear Force Monitoring System

SIPSHITCH

The SiPsHitch is a revolutionary safety system that can protect aircraft from damage in overload situations during a towing operation.

Should a tractor exceed the permissible towing force, SiPsHitch warns the driver and blocks the towing process, which can then only be advanced by the release of the supervisor.

Your advantages at a glance

- Models for more towing load, voltages and trailer hitch position (front / rear)
- Aircraft-specific towing powers are stored in the system
- SiPsHitch is integrated directly into the tractor





Hydraulic Test Stands

HYDRAULIC TEST STAND

Hydraulic test stands are important devices for avionic applications, as they are used to check critical functions, such as the brakes of an aircraft. They simulate real operating conditions to detect faults early and enable targeted repairs.

Standard features include a digital interface, a screen for data and programmable parameters for airframe service.

This makes the unit the safest on the market.

The HPU is configured to your application.



Your advantages at a glance

- Mechanical tests via hydraulics
- Aircraft maintenance work
- Quiet and efficient
- Simple operation
- Save data in Excel file
- Various sizes / versions available

	Size 1	Size 2	Size 3	Size 4
Max. Flow rate:	22 LpM	90 LpM	177 LpM	227 LpM
Fluid type:	Mineral-based, Skydrol Type IV or V	Mineral-based, Skydrol Type IV or V	Skydrol Type IV or V	Phosphate ester
Max. pressure:	207 bar	241 bar	275 bar	241.3 bar
Weight empty:	181 kg	692 kg	1225 kg	2109 kg

Hydraulic Jacks

AXLE JACKS

These jacks are used to lift an aircraft for maintenance purposes. The rugged jacks are designed to withstand harsh conditions and provide years of service. Axle jacks are available in a variety of configurations with units of 5, 12, 25 and 35 tons. These hydraulic jacks feature steel construction, a manual hand pump, a safety valve and hydraulic fluid. In addition, the fill and bleed cap is easily accessible to prevent damage from fluid leaks.

Your advantages at a glance

- Aircraft maintenance
- Changing tires
- Work on brake unit
- Wheel maintenance
- Lifting the main or nose landing gear





Non Destructive Testing

8400K

OPTICAL MICROMETER

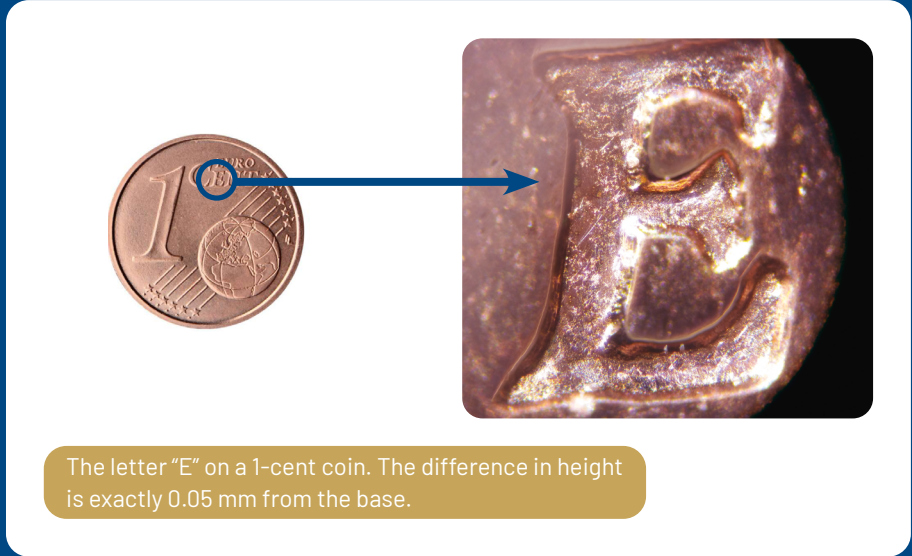
The 8400K Optical Micrometer is a measuring instrument that allows for damaged surfaces to be surveyed very quickly.

The surface change can be detected and cracks validated. With this measurement system you can accurately determine the depth of scratches, nicks and grooves.

Technical Data	
8400K with leg	Diameter 7.65 cm, Height 22.90 cm, Weight 681 g
8400K with Case	33.1 x 28 x 15.3(h) cm, 3176 g
Measurement precision	+/- 0.02 mm / 0.001"
Range	6.4 mm (10x), 32 mm (4x)
Resolution	0.01 mm / 0.0005"
Repetition	0.01 mm / 0.0005"



- Your advantages at a glance**
- Non-destructive testing
 - Fast width and depth measurement
 - Easy tolerance determination
 - Easy detection of differing surface structure
 - Repeatable results
 - Runs between 0° C and 40° C
 - Can be stored between -10° C and 60° C



The letter "E" on a 1-cent coin. The difference in height is exactly 0.05 mm from the base.



Additional BASES

These interchangeable bases are used for a variety of inspection applications with the 8400K Optical Micrometer. They are available with rubber studs, offset, in a larger size and with two feet.





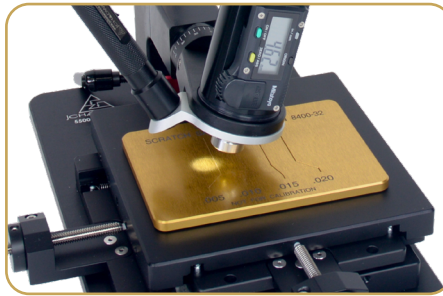
Non Destructive Testing

5500L LAB STAND KIT

The 5500L Lab Stand is an optional accessory for the 8400K Optical Micrometer. It is not always possible to measure every shape of objects with just the Micrometer. With the Lab Stand Kit, you can inspect small and unshapely objects very easily through the Micrometer.

Your advantages at a glance

- Fixed positioning
- Very fine measurement
- Precise alignment
- Easy handling



4400M SURFACE REPLICATION KIT

If you want to measure hard-to-reach places with the 8400K Optical Micrometer, the 4400M Surface Replication Kit is a suitable tool. Using a two-component compound from a manual glue gun, the negative impression of the surface can be measured and archived very easily, making it ideal for many industrial applications.

Your advantages at a glance

- For hard-to-reach surfaces
- Replica creation
- No disassembly of components
- Convenient tabletop measurement

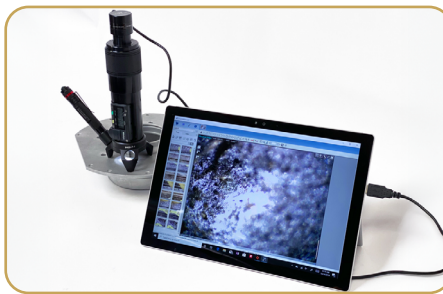


3300C DINO EYE USB EYEPIECE CAMERA

The 3300C Dino Eye USB Eyepiece Camera is the perfect accessory for the 8400K Optical Micrometer if you want to save and document the images of the damage.

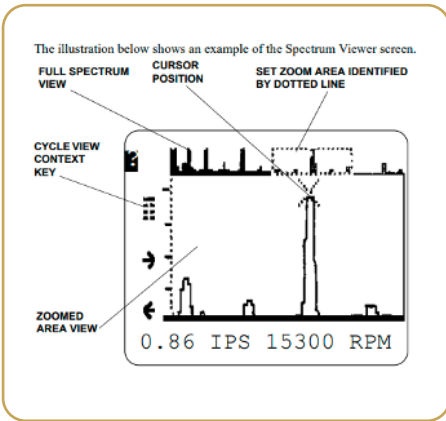
Your advantages at a glance

- Live image on the screen
- Save / document the images
- Record videos
- Edit images with the software
- Allows multiple people to inspect the surface at the same time





Track & Balance



V2K+

VIBREX 2000 PLUS

The Vibrex 2000 plus is a vibration and tracking measuring device that you can use regardless of the type of machine you are using.

This reliable measurement system calculates and analyzes the imbalance on your rotor or propeller over a wide frequency range.

Your advantages at a glance

- Improve service
- Reduce vibrations
- Find faults
- Save costs
- Increase service life
- Improve comfort

Capabilities:

- Automatic calculation
- Suitable for propeller engines
- Manual balancing also possible
- Two channels can be used
- Documentation via PC-Software





Track & Balance



EV2K+

ENHANCED VIBREX 2000 PLUS

The EV2K+ is a compact vibration and tracking measurement system with advanced vibro analysis. Designed specifically for helicopter applications, it bridges the gap between the Vibrex 2000 hardware and VXP software. In addition to offering the full functionality of the Vibrex, the EV2K+ includes specialized features for enhanced performance.

Capabilities:

- Automatic calculation of suggested settings
- Automatic tracking measurement with FasTrak
- Charts of the 26 most important helicopter types are stored
- Charts of the 35 most important fixed wing aircraft types are stored

Your advantages at a glance

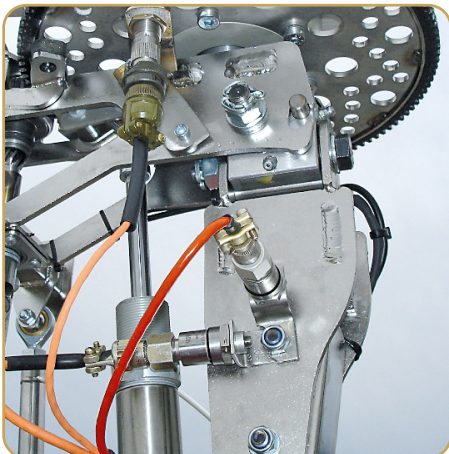
- Up to four Velocimeters can be used
- Upgrade from V2K+ to new EV2K+ possible
- Automatic calculation through charts
- Easy handling

Deposited helicopter charts:

A 109E	AW 139	BO 105	MD 520N
A 119	BK 117	EC 120	R 22
AS 332	BL 206B	EC 130	R44 / R66 S 61
AS 350B	BL 206L	EC 135	SW 300
AS 350B1	BL 212	EC 145	UH-1H
AS 355 M / R	BL 407	EC 155	
AS 365	BL 427 M / R	MD 500	

Deposited fixed-wing aircraft charts:

Antonov AN-32	Cessna Conquest	Pilatus PC 6
ATR 42 / 72	Dehavilland Dash 4	Pilatus PC 7
BA BAE 146	Caribou	Pilatus PC 9
Beechcraft 1900D	Dehavilland Dash 5	Pilatus PC 12
Beechcraft Bonanza	Dehavilland Dash 6	Piper Cheyenne
Beechcraft King Air Series	Dehavilland Dash 7	Saab 340
Canadair CL215-T	Dehavilland Dash 8	Shorts 312
Canadair CL415	Dornier 228	Shorts 330
Casa 212	Dornier 328	Shorts 360
Casa 235	Embraer 120	Shorts Tucano
Casa 295	Embraer Tucano T-27	Sweringen Merlin
Cessna Caravan II	Lockheed C-130 (J only)	





Track & Balance

VXP CARRY-ON

With the VXP System, all measurements, in terms of vibration, imbalance and tracking, are taken fully automatically, and can be used for your entire fleet – even non-uniform aircraft.

The long-standing development of the "Advanced Smart Chart" is the further refinement of the thousand-fold used 8500C (+) and is therefore also compatible. The VXP consists of a Basic Kit and the respective Application Kit, which is put together for the specific helicopter or aircraft type.



Features of Advanced Smart Charts:

- Touch screen with Windows user interface
- Allows measurement of operating states in any order
- Graphic display of stored balancing processes on the Display Unit (DU)
- Reloading of balancing data to the Acquisition Unit (AU)

Why balancing?

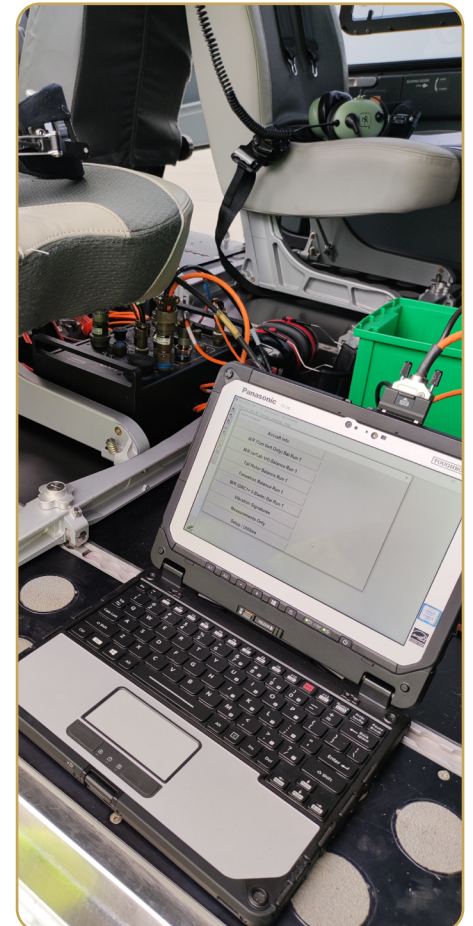
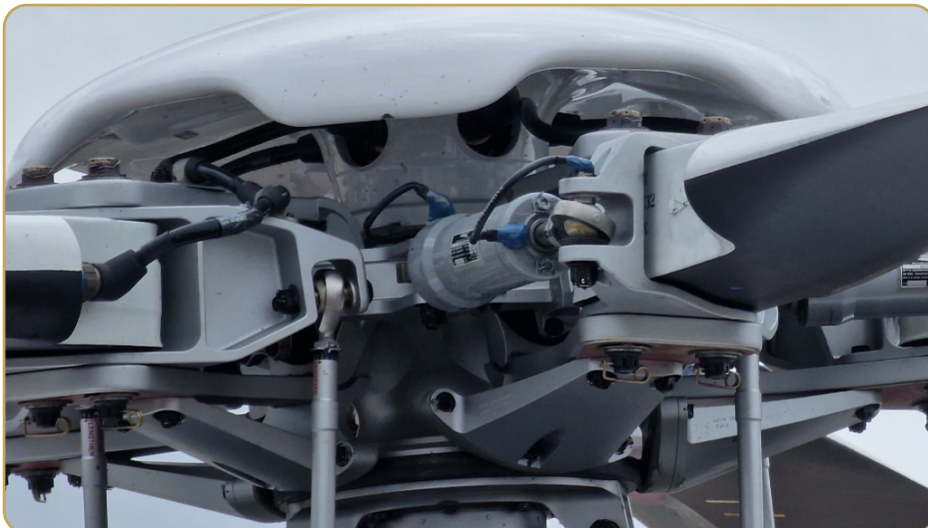
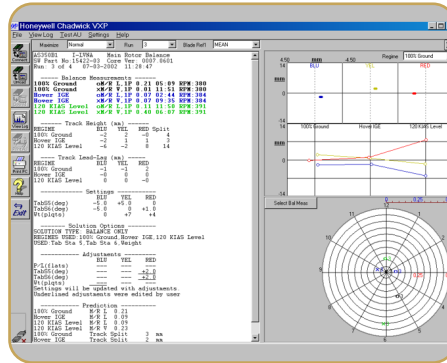
- Low-vibration flight thanks to identically balanced blades
- Significantly reduced material wear
- Track – blades on one level
- Can detect even the smallest changes

When to balance?

- Upgrading to new blade set
- After replacing individual blades
- After a certain number of flying hours
- Vibrations in flight

Your advantages at a glance

- Balance rotors and propellers
- Simultaneous measurement of vibration and tracking
- Automatic calculation by software
- Windows-based display unit
- Takes measured suggestions into consideration
- Modifiable solutions
- Flexible order of operations





Track & Balance

VXP ON-BOARD

The VXP provides drastic reductions of maintenance time while providing you with maximum flexibility, the latest advancements in technology and system growth, with low costs and great reliability.

The VXP On-Board is also suitable for helicopter types where VHM (Vibration Health Monitoring) or HUMS (Health and Usage Monitoring System) are mandatory.



Suitable accessories for balancers:

- Basic units
- Cables
- Sensors
- Software and manuals
- Sensor mounts

Our service for you:

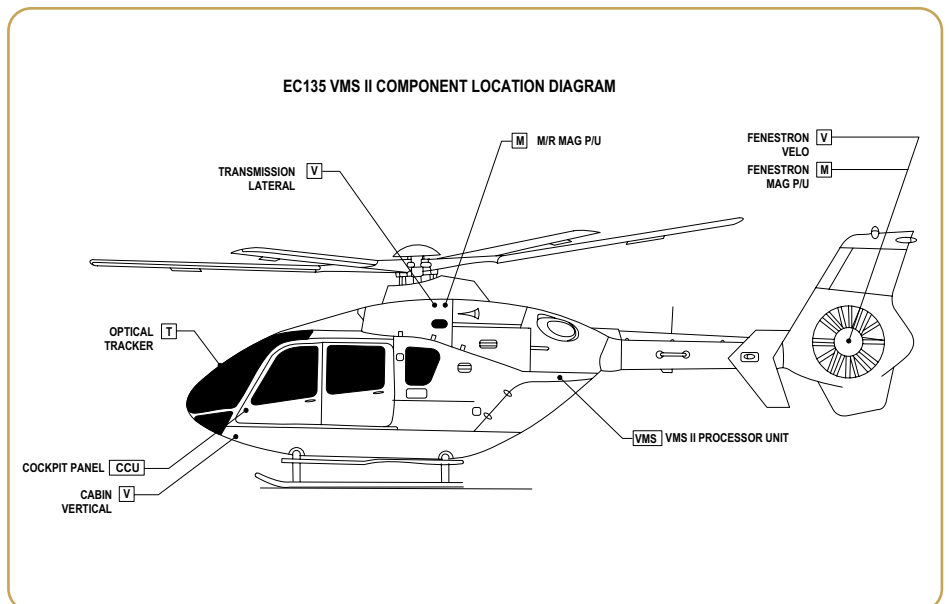
- Calibration of balancing systems
- Trainings and demonstrations
- Support through loaner systems or parts
- Repairs
- Option to repurchase old equipment
- On-site visits
- Development of new solutions
- Provision of spare parts
- Modification for your application and fleet

Your advantages at a glance

- Reduced service times
- Rework off-board
- Quick responses possible
- Always ready to go
- No equipment setup or teardown time



A new Display Unit is available. Now with even more added functionality!





Optical reconnaissance



L3 Harris Wescam



MULTI-SPECTRAL, HIGHLY STABILIZED, ELECTRO-OPTICAL INFRARED CAMERA SYSTEMS

L3 Harris camera systems with EO/IR sensors are ideally suited for reconnaissance and surveillance of various scenarios due to their high stability and very long range.

Because of the excellent quality and useful functions, they are incredibly useful to the user.

In addition to the camera systems of the WESCAM MX-series, we also provide training courses over several days for the operation of the devices, and service in the form of maintenance and repair at our facility in Donauwoerth.

We provide an authorized service center with trained employees so that your system can be used optimally.

Your advantages at a glance

- Border surveillance
- Police applications
- Highly stabilized HD image from the air
- Ready for operation at all times
- Target localization
- ITAR-free version

Rugged Mission Displays and Computers

TACTICAL MONITORS AND CPU FOR AIR, GROUND, SEA AND SPACE PLATFORMS

These rugged monitors are used specifically for tactical missions in aircraft, ground stations, vehicles and ships. The high quality is the pre-requisite for reliable image and information reproduction.

Your advantages at a glance

- Different sizes from 7" to 24"
- NVIS and sunlight readable
- Custom touchscreen
- In-/Output selection
- MIL-STD certified





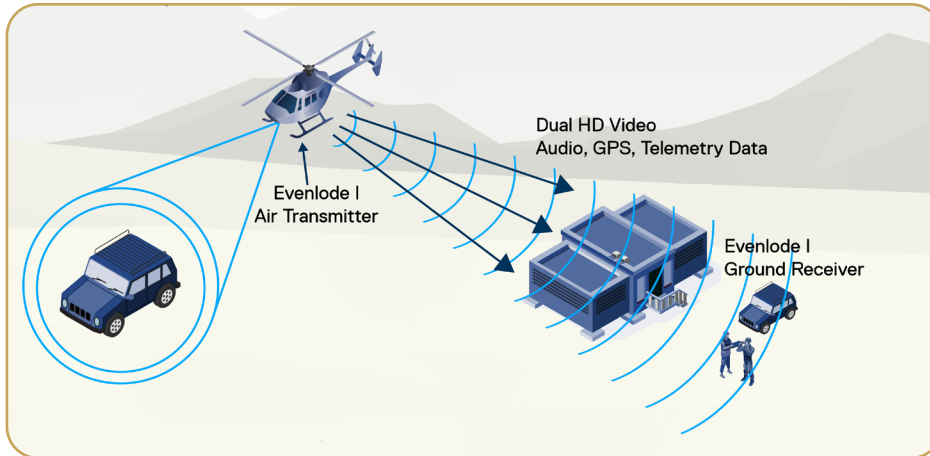
Tactical data links

RF Data Links

UP- AND DOWNLINK

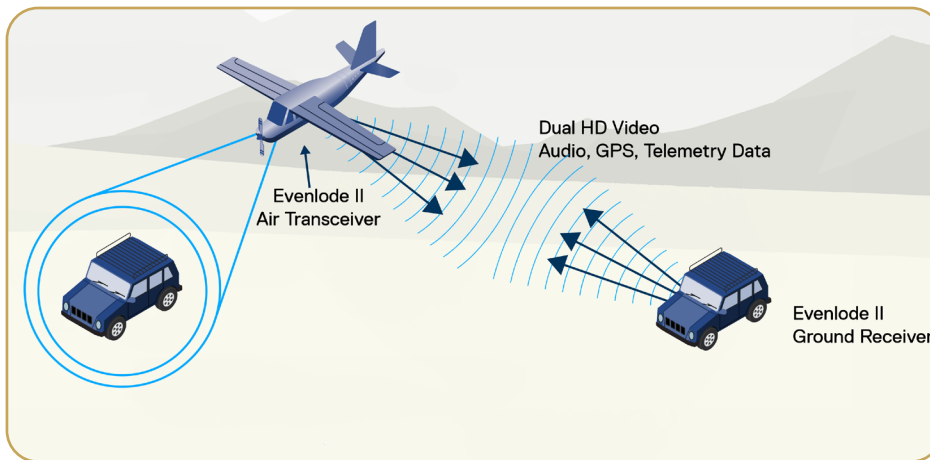
Evenlode is a highly secure, flexible solution for tactical data transmission that enables real-time exchange between platforms and command centres, supporting precise reconnaissance and effective decision-making.

The system offers three levels of capability:



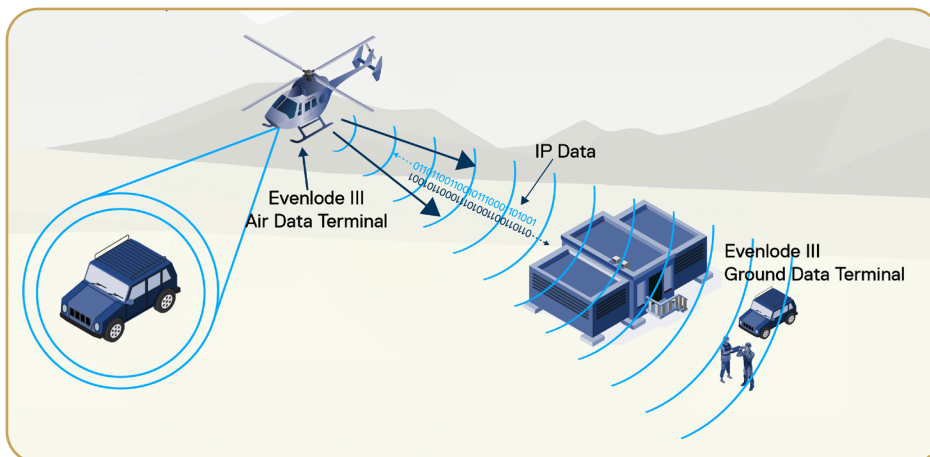
Evenlode I

Provides robust real-time communication over a stable downlink - ideal for fast, one-way reception of dual HD video, audio, GPS and telemetry data in the field.



Evenlode II

Extends the possibilities: The one-way downlink is extended by an uplink for bidirectional communication between the aircraft and the ground station. This two-way communication enables information to be exchanged quickly and easily between the individual units in modern operations. The advanced encryption technology is particularly suitable for more complex operational scenarios.

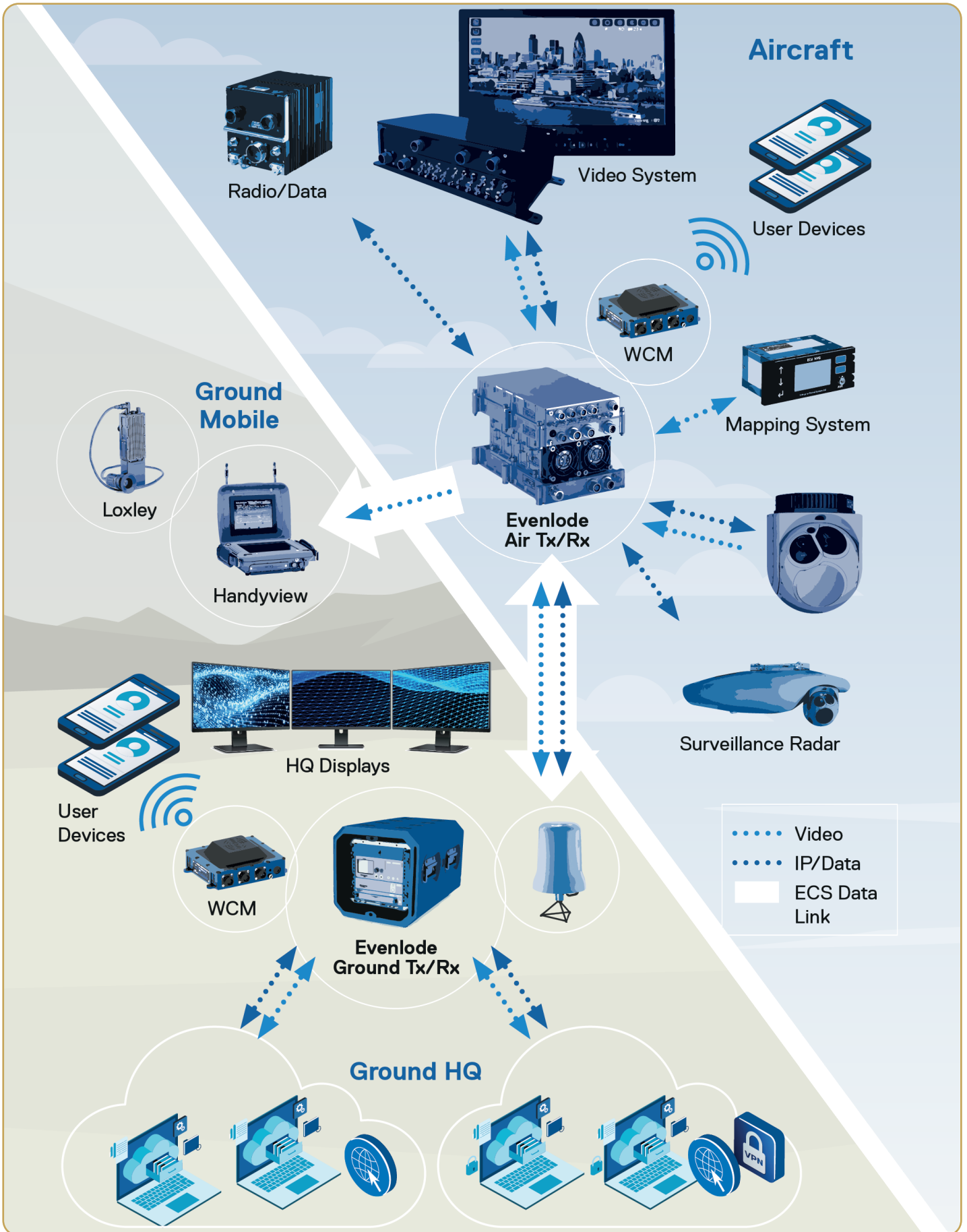


Evenlode III

Combines all the functions of the previous models and adds dynamic network management. Integrated IP data and flexible platform integration create a fully networked command centre for comprehensive and efficient data transmission and data distribution within the command network.



Tactical data links





SERVICE

Your advantages at a glance

- Wescam Authorized Service Center for EO/IR camera systems
- Calibration of your system
- Loaner units for pre-testing
- Fast service for maintenance / repairs / conversions
- Repairs (also on site)
- No export to the manufacturer

Even after a device is purchased, you still have our fullest support. We are your first contact for repairs, maintenance and much more.

With our Authorized Wescam Service Center we can not only offer you electro-optical camera systems, but also maintain or repair them down to the smallest detail. With our service center in Donauwoerth, your service requests can be carried out quickly and efficiently reducing maintenance and repair times greatly.



ADVISING

You will not only receive selected products from us, but also professional technical advice.

We ensure that you purchase the right system for your applications and requirements – because a satisfied customer is our goal.

Your advantages at a glance

- Consultations during on-site appointments
- Personal support throughout the entire project
- Complete solutions on offer
- Live demonstrations
- Briefings / training / education



