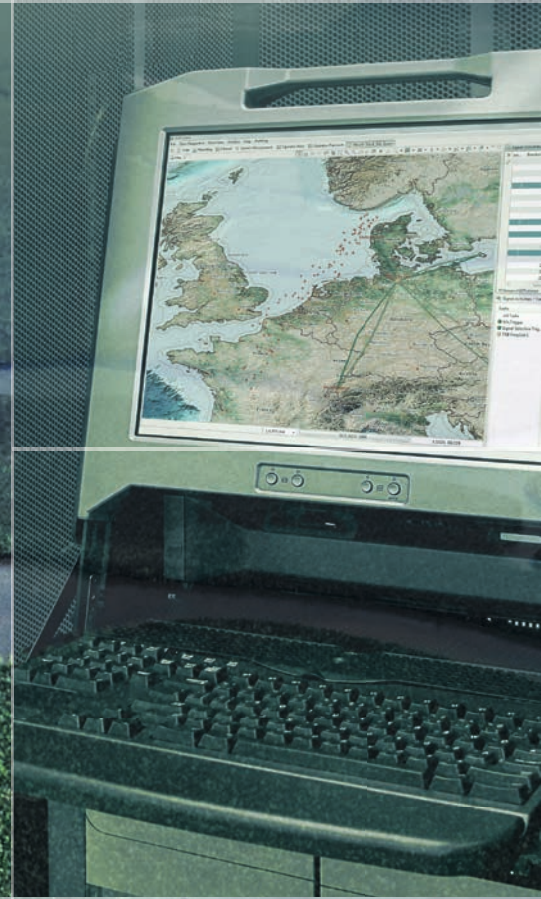
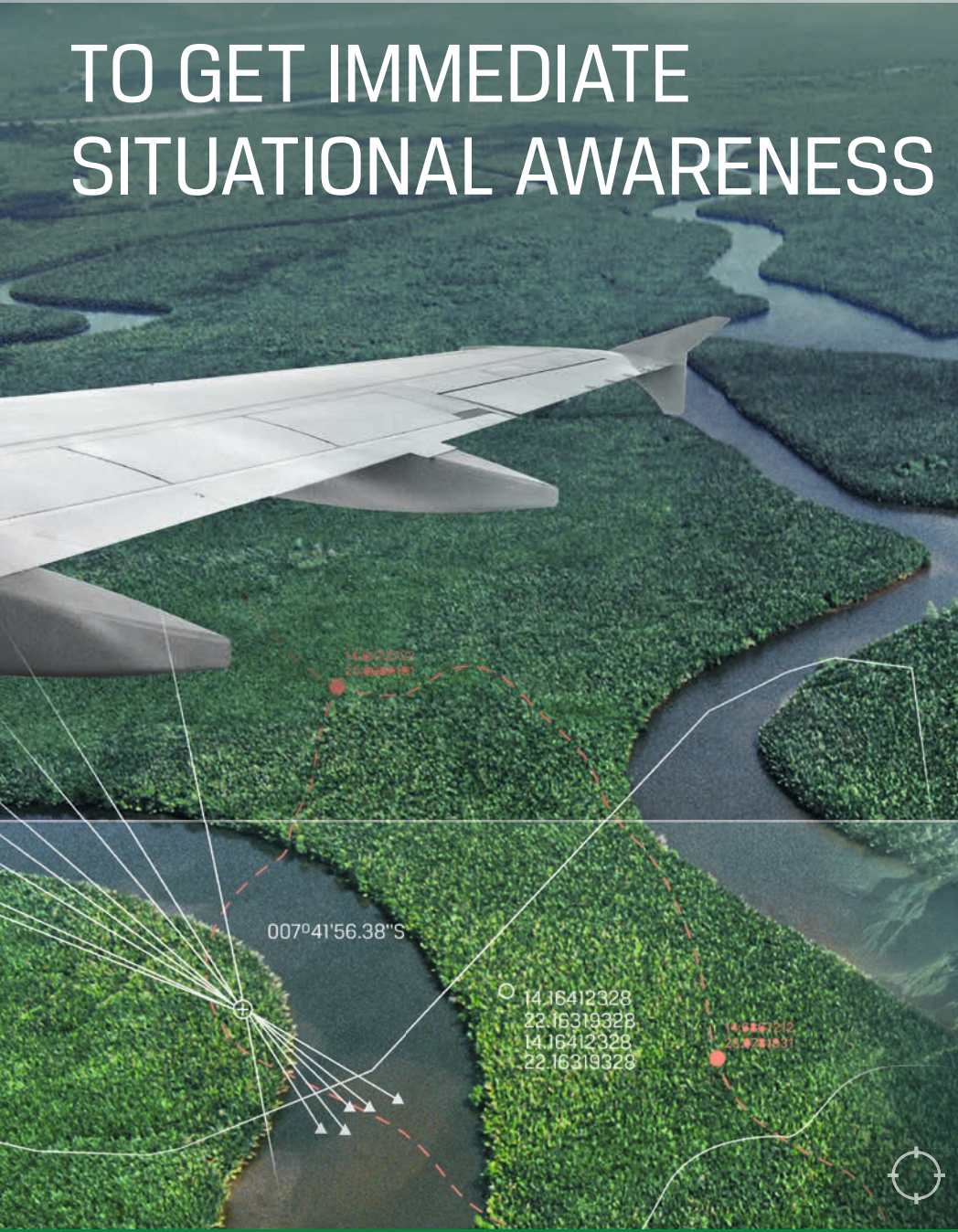


# MORE CLARITY

# TO GET IMMEDIATE SITUATIONAL AWARENESS



Increased depth of penetration, 360° overview:  
Get a step ahead with Manned Airborne Intelligence  
Systems for data-driven crisis prevention

**PLATH**

Systems & Integration

# QUICK REACTIONS ANYWHERE

When searching for relevant signals, a system must be able to react immediately to situation-related changes. Air-supported systems are advantageous here, as they are flexible and unobtrusive.

PLATH Manned Airborne Systems provide targeted support for your tactical and strategic operations. Due to the increased range and flexibility, you will promptly receive a comprehensive situational picture without violating borders.



## Maximised interception range for improved detection

The range extension is a combination of a very good line of sight and high-precision sensors – relevant signals are found in time. Real-time processing on the platform allows you to make an immediate assessment of the situation – for improved ability to take action in your operations.

## Maximum efficiency and minimal space requirements

The high degree of automation of our systems allows an automatic execution of the operation even without a specialised operator on board. This significantly reduces the workload, tasks can be perfectly adapted to existing process sequences – for an efficient distribution of work.

PLATH Manned Airborne Intelligence Systems are ideally adapted to the conditions in fixed-wing aircrafts. They can be optimally integrated into existing or new aircrafts according to your requirements.

Signal Table

Center Frequ...	Bandwidth [Hz]	Start Time	Duration [d h:mm:ss.s(f)]	Sensor	Bearing [°]	(1) Location	Agility
12.21	20,000	2020-06-30 13:58:20.376	0 00:00:05.096	A_SLS_01		012°47'09.12"N, 053°00'12.30"E	Hopper
18.699725	7,971	2020-06-30 13:59:17.375	0 00:00:16.552	A_SLS_01		011°35'22.02"N, 027°25'45.44"E	Stationary
15.01	20,000	2020-06-30 13:59:31.875	0 00:00:01.528	A_SLS_01		010°11'28.38"N, 031°12'15.34"E	Hopper
28.997492	13,736	2020-06-30 13:59:19.875	0 00:00:16.480	A_SLS_01		010°02'15.84"N, 034°57'22.37"E	Stationary

## Various fields of application

- ▶ Filling blind spots in harsh environments
- ▶ Inconspicuous surveillance of borders and coastlines
- ▶ Search for suspicious people in hard-to-reach areas
- ▶ Support for special operations
- ▶ Enhanced self-protection
- ▶ And many others



OPWS courtesy of Aerodata AG

# SYSTEM FEATURES PERFECTLY MATCHED

Four dimensions are particularly relevant in the realisation of our Manned Airborne Intelligence Systems: user experience, data processing, sensors and integration. They form the pillars of our systems. Each one is first class and together they ensure your performance advantage in tactical and strategic operations.

Rely on PLATH Systems & Integration, your innovative partner with decades of domain expertise.



OPWS courtesy of Aerodata AG

## User experience – your benefits

- ▶ 360° overview and immediate situational awareness without violation of borders
- ▶ Pre-operation planning in the Technical Center plus quick operation adjustment when the situation changes
- ▶ Simplified operability based on a user interface specifically designed for mobile platforms

## Data processing – flexibly automated

- ▶ Self-sufficient system for signal acquisition with flexible degree of automation
- ▶ Perfect control of the large volume of simultaneously intercepted signals
- ▶ Real-time processing of data for immediate evaluation of the situation when the operator is on board
- ▶ Data synchronisation management in the Technical Centre is possible for generating long-term knowledge

## Sensors – compatible and of high-quality

- ▶ Outstanding sensitivity of sensors for increased line of sight
- ▶ Deep-range reconnaissance: signals of interest as well as previously unknown signals are found in time
- ▶ Compatibility with different sensor types (e.g. SATCOM, GSM and Optronic)
- ▶ Equipment qualified for airworthiness applications

## Integration – optimised

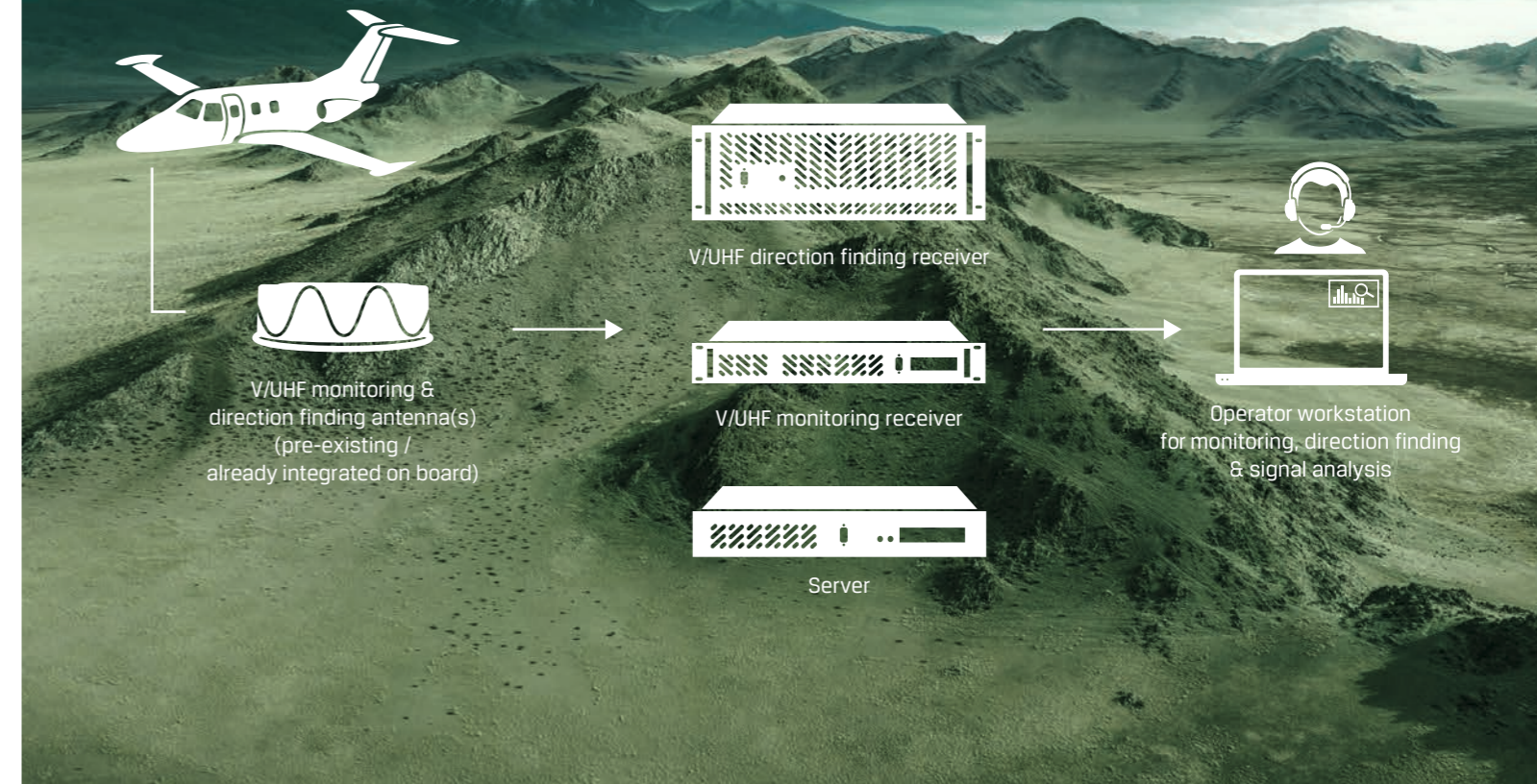
- ▶ Mobile and semi-mobile systems, perfectly integrated into fixed-wing aircrafts
- ▶ Optimised integration according to the available size, weight and power
- ▶ Aircraft certification possible through the customer's or PLATH partner's Design Organisation
- ▶ Tailored Integrated Logistics Support (ILS) concept guarantees highest availability and lowest life-cycle cost

# ADVANCED SOLUTIONS FIELD-PROVEN WORLDWIDE

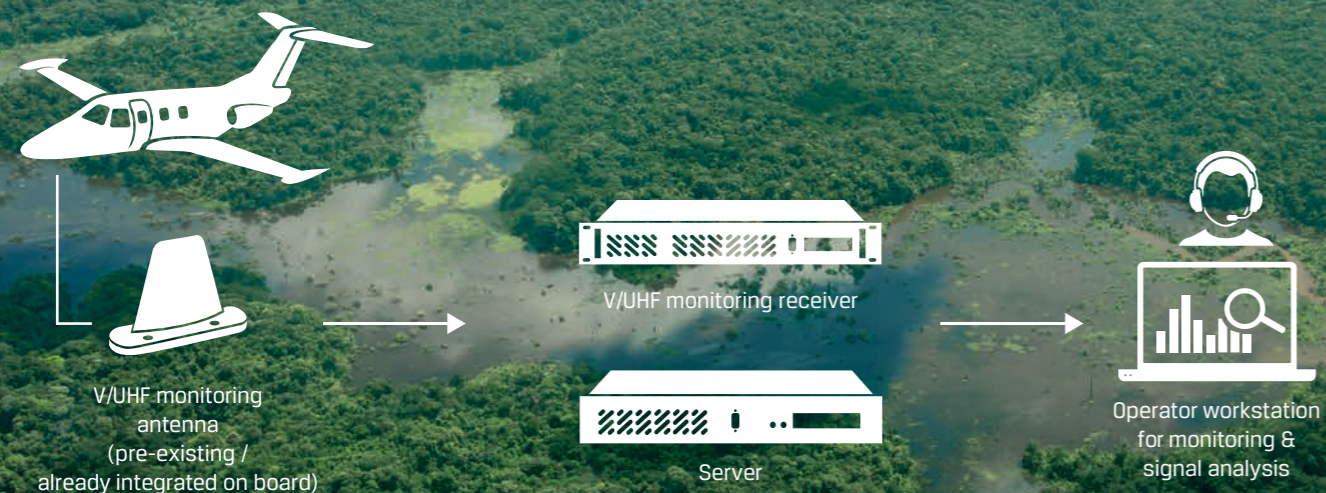
## Solutions designed in line with your needs

PLATH Systems & Integration offers systems of all sizes for various platforms and applications. Depending on your tasks and special requirements, you can choose from a variety of system options. Be it additional sensors, more analysing tools or higher storage depth and data-link connections – almost any set-up is possible in order to optimally support you in your airborne operations.

## Smart Solution for monitoring & direction finding



## Smart Solution for monitoring



## Smart Solutions – ready to use

Our Smart Solutions are compact, high-performance entry systems and consist of predefined hardware and software components. They are available as fully integrated systems in various ruggedised transportable cases that are ready for use.

With our Smart Solution, you can monitor the entire frequency range using existing antennas and analyse signals directly or offline.

In addition to monitoring and analysing, another Smart Solution offers you the possibility of taking bearings and locating. Direction finding is possible both in the full spectrum and on selected frequencies.

**Realise the optimal Manned Airborne Intelligence System with us!**



Let's talk about how we can do MORE for you:



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