



It is accurate, simple, efficient – here is what you get



SIRIUS UAV

Three rudders and a solid airframe turn the plane into an ideal gimbal to stabilize the camera. Customers are especially pleased with the ease of exchanging spare parts and the lightweight and durable material. There is no overheating thanks to the white color while the black underside and flash lights make it clearly visible.

PRO version add-on: MAVinci connector can be used as an internal RTK base station instead of having an external one.

Add-on: An air traffic monitoring system can be added to the UAV. You will be warned in time if other objects enter the airspace of your UAV.



Camera Kit

Equipped with different powerful cameras, SIRIUS UAS delivers high quality data. In one flight SIRIUS UAS captures more than 2,000 images, providing high-quality and accurate processing.

Add-on: To obtain data about vegetation conditions and photosynthetic capacity, you can use a NIR camera. Near-infrared images can be captured in the same high resolution.



MAVinci Desktop

Our additional software MAVinci Desktop integrates all functions you need to plan your flight as well as process your data. An ideal flight pattern, which covers the selected area within one or more flights will be automatically generated and can be edited at any time. With just one click you can access the processing software and convert individual images to exact orthophotos and 3D models.



Service and training

While continuously optimizing our product, our main focus is on simplicity and efficiency. But regardless we want you to become a SIRIUS UAS expert. Thus training is included. We advise you on how to act in difficult situations and how to get the most out of it in terms of your business success.



MAVINCI
UNMANNED AIRCRAFT SYSTEMS

What we do for you

Founded in 2009, MAVinci is a leading German manufacturer of unmanned aerial systems for surveying and mapping solutions. With our cutting-edge technology in both software and hardware, we aim to meet our customers' needs. Innovative features are steadily developed to give more value to the projects and help master different challenges surveying professionals are faced with.

Get the best results and save time.

We want you to get the most out of your business. This is why we designed our product SIRIUS UAS to perform. We engineered it to provide the most accurate results and operate even in difficult environments. Simple functionality allows customers to save time and make optimum use of it.

Learn how we give value



High accuracy

Our SIRIUS UAS is equipped with modern technology, combined with a solidly designed airframe. Even in bad weather, windy conditions and without setting ground control points, SIRIUS UAS provides high-accuracy data.



High quality in products and service

We use long-lasting materials and high-quality products. Each plane and add-ons are proven in flight before delivery.



Your security is in focus

To protect persons and hardware, we integrate useful features to operate safely at take-off, during flight, and when landing. Simple take-off by handlaunch and a safety button help you protect yourself.



Simple use

Our SIRIUS UAS is intuitive to work with and allows you to gain accurate data and findings quickly without wasting time on mission planning.

Where to buy



You can purchase MAVinci products all over the world. Training is included to learn about SIRIUS UAS in detail. Please contact your nearest distributor.
www.mavinci.de/distributors



Please contact us if you need more information that cannot be found on the website. We are happy to help and we look forward to hearing about your experience with MAVinci's SIRIUS UAS.

Contact

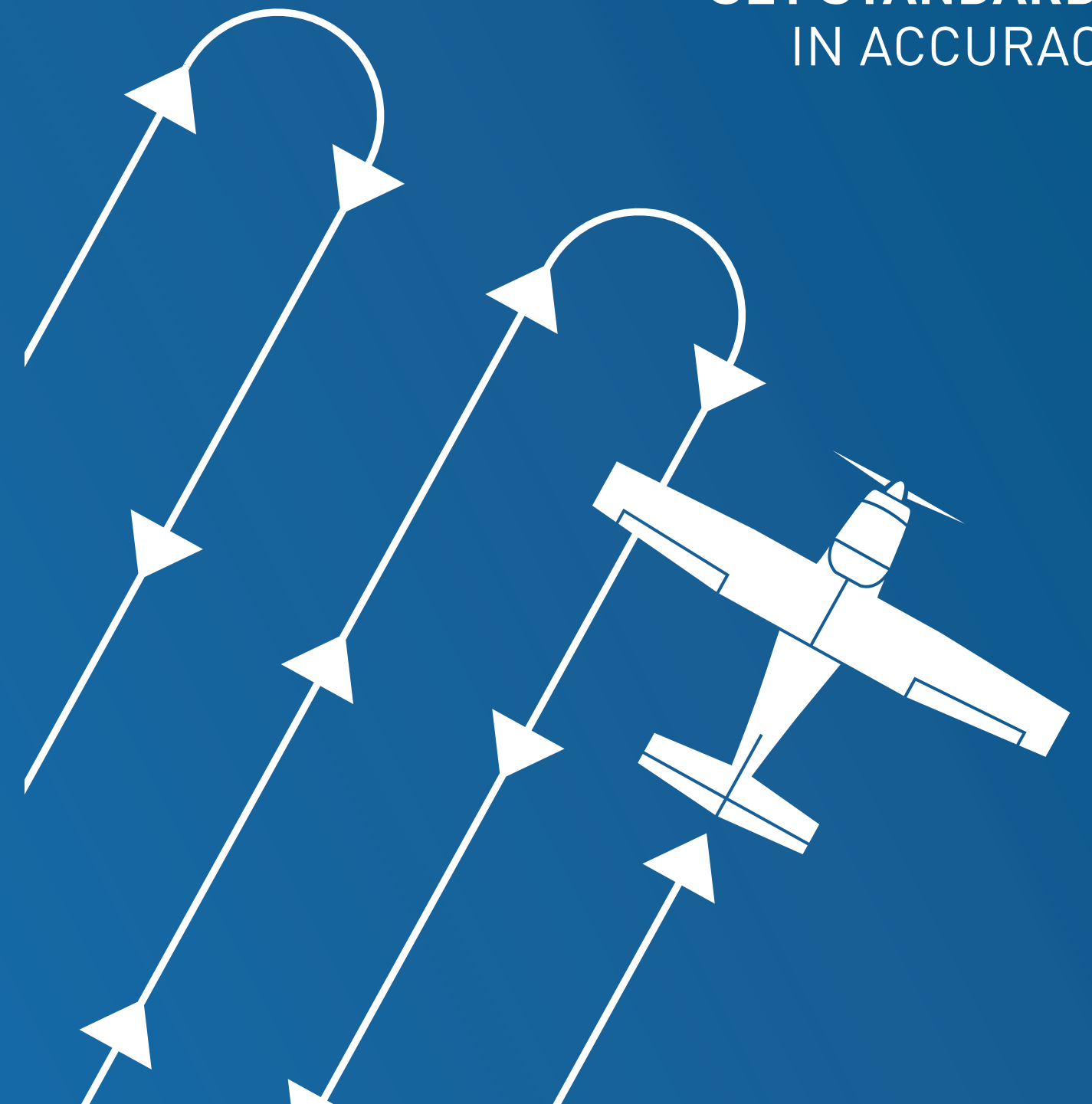
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FOR SURVEYING AND MAPPING PROFESSIONALS

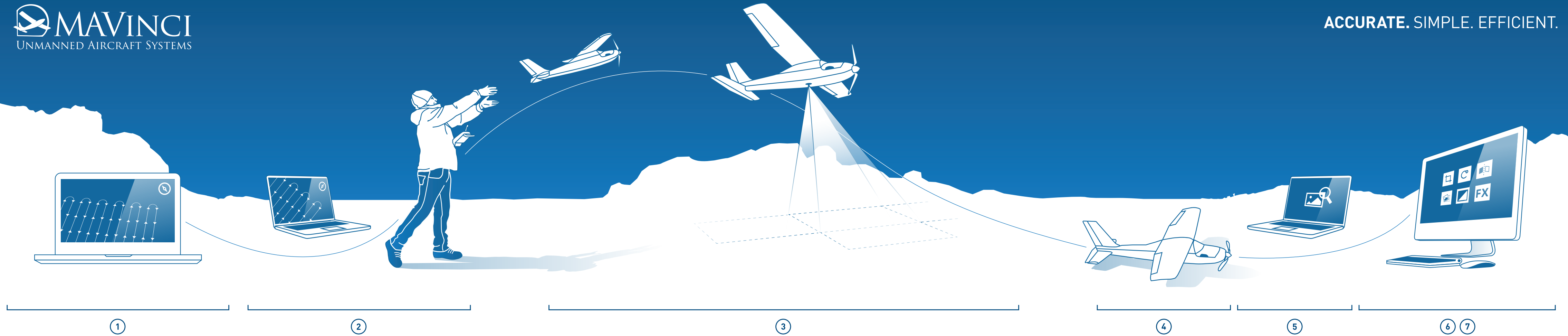
SET STANDARDS IN ACCURACY



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Innovation
Made in
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SIRIUS UAS – Surveying can be that simple

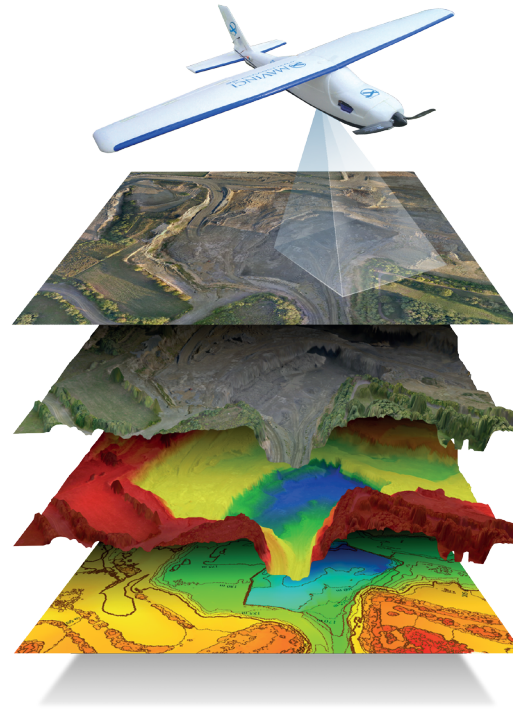
For surveying and mapping professionals SIRIUS UAS is the ideal solution to get the most out of your assignment in the minimum amount of time. SIRIUS UAS is designed to be used in construction projects, disaster regions, landfill sites, queries or other difficult and dangerous areas.

Start with BASIC and upgrade to PRO

There are three types of SIRIUS UAS. Use the BASIC version for simple surveying projects in defined areas. You can easily upgrade to PRO at any time to access all functions without the need for additional hardware. If there is no easy way to set ground control points, PRO is your solution. There is also a lower-priced version for customers who do not need any special features. SIRIUS CLASSIC uses a normal GPS system and cannot be upgraded.

PRO version – Simply accurate

You will get the most accurate data even in inaccessible regions. There is no need to set ground control points anymore. The integrated Topcon RTK technology and MAVinci precision timing tool provide sub-millisecond timing accuracy, which results in accurate positions of the images taken during flight. Even when captured in different flights or by varied cameras images will overlap correctly.



How to work with SIRIUS UAS and profit at each stage

1 Plan your mission at home or right in the field

We know how important it is for your business to plan accurately and how much time you have to spend beforehand. MAVinci Desktop enables you to plan your flight easily and quickly offline or in the field just before take-off. Select the desired area and set the required ground sample distance. The software will output an optimized plan, taking into account surface and mountain areas, flight time and legal air space.

If more than one flight is needed to cover the whole area, the flight plan automatically splits up zones and merges them again for post-processing.

2 Save time and start right away

With SIRIUS PRO UAS there is no need to set ground control points before a flight to get highly accurate data. Thanks to the MAVinci Precision Timing technology combined with a Topcon RTK receiver, the quality of your data is more accurate than having ground control points without RTK. The flight plan is transferred wirelessly to the UAV. Let's start and take off safely with a simple hand launch.

3 Edit your mission whenever you want or have to

All relevant flight parameters can be monitored live. MAVinci Desktop makes you aware of flight parameter warnings such as a low battery level. While the autopilot continues the flight, you can edit or restart the flight plan, send a new flight plan wirelessly, or control the flight manually at any time during the flight.

Did you know? In some countries it is not permitted to fly unmanned aerial systems without having the possibility of manual control via a remote control.

4 Chose between automatic or assisted landing for a more precise touch-down

The UAV is controlled fully automatically during the whole flight and on landing. Nevertheless there are some situations like difficult ground surfaces which make it necessary to interact manually. Still assisted by the autopilot to keep the UAV stabilized, you can touch down precisely with simple navigation.

5 Make the quality check on-site and verify your data

Ensure that you have the correct data and that you did not miss anything before you go home. MAVinci Desktop allows you to fully preview your data in the field and check the quality first, for example if images overlap correctly.

6 Ready for post-processing

MAVinci Desktop integrates fully automatic and stand-alone processing software to generate 3D and digital surface models. You can measure distances and volumes due to high-resolution 3D models.



Did you know? We are happy to offer teamviewer training for Agisoft Photoscan.

7 Turn complex data into insights

The Virtual Surveyor tool quickly depicts 3D models and orthophotos in a virtual environment. Points and lines can now be easily selected on-screen to best describe topography. It is possible to calculate volumes in minutes. Virtualize your project and take your audience on a walk-through.

► Get the facts

Learn more about SIRIUS UAS on our website and get the facts on your mobile item.

