



## THE AIBOT X6 AT A GLANCE

- Robust, ultra-lightweight carbon housing with propeller and collision protection
- High flight stability and stable GPS-positioning for photo and video shots
- Manual, semi-autonomous (flight assistant), and fully automatic flight modes, including auto-start and landing
- Low crash risk, even if one motor fails
- No runway needed
- Easy to operate
- Horizontal and vertical movements
- Flexible adaptation of the camera during the flight
- Plug-and-play system for many different sensors
- Vertical (nadir) and horizontal (oblique) photography
- Intuitive camera mount with automatic pitch and roll compensation provides steady and blur-free pictures and videos
- Intuitive, proprietary software for programming flight paths
- Specially developed tool to geo-reference the images

## THE AIBOT X6 INSPIRES

"It's crazy how much time we save by using the multicopter. We can control the Aibot from a central location, which saves us the laborious task of having to walk through the pit."

Magnus Myhre, Asker Oppmaling AS, Norway

"Our company has always adopted new technologies at a very early stage. This allows us to continually offer our customers added value and expand our position in the market."

Ekkehard Jungemann, Spitthöver & Jungemann Surveyors, Germany

"With the Aibot X6 we can generate highly accurate data and produce multiple analyses with little time and expense."

Markus Prechtli, ing Traunreut GmbH, Germany

"Using an Aibot X6 UAV for windmill inspections gives a competitive edge by increasing inspection speed and quality while lowering inspection costs by reducing the human effort required."

Frank Dumeier, WEB Wind-energie AG, Austria

Get more information on  
<http://uas.leica-geosystems.us>  
Bryan Baker  
Phone: 970-227-3417  
E-Mail: [bryan.baker@leicaus.com](mailto:bryan.baker@leicaus.com)

- when it has to be **right**

**Leica**  
Geosystems

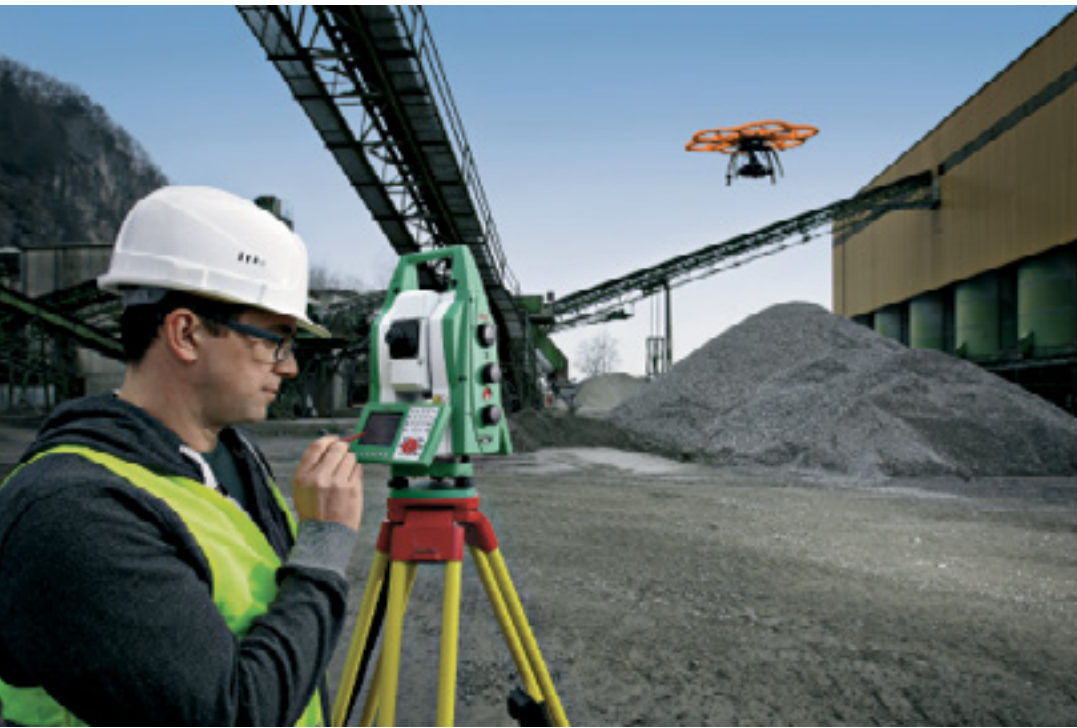
# LET'S FLY!



**AIBOTIX**  
INTELLIGENT AUTONOMOUS VEHICLES

AERIAL SURVEYING  
AND GEO-MAPPING





## THE AIBOT X6 AN INDISPENSABLE WORK TOOL

The Aibot X6 is an autonomously flying hexacopter, specifically designed for demanding tasks in surveying and industrial inspection. Equipped with a high level of artificial intelligence, this flying robot reaches virtually any target and can independently create high resolution images and videos.

## A NEW SPIN PUT ON PHOTOGRAMMETRY

Surveying of the future is not fixed and static, but dynamic and flexible. With the Aibot X6 you can generate data for orthophotos, 3D models, and point clouds in high density with great accuracy. In-house flight planning software makes it simple to obtain all the parameters essential for professional-class photogrammetry.

## SAVE TIME AND COSTS

With the Aibot X6 you survey simply, efficiently and economically from the air. Apart from the hexacopter, you only need Aibotix AiProFlight

planning software and a conventional digital camera. Before the flight you plan the route easily on your computer. The Aibot X6 flies along the defined route automatically and takes high-resolution, geo-referenced photographs of the target area. At the same time it ensures – depending on the particular image sensor of the camera used – a sufficient image overlap, adequate airspeed, and fully automatic image capture. You can photograph vertically (nadir), or at an angle (oblique), and change flight altitude and camera angle during the flight as required.

## WIDE RANGE OF APPLICATIONS

The Aibot X6 supports you in numerous tasks:

- Survey of challenging sites such as quarries, sand pits, landfills, coal stockpiles, etc.
- Point cloud generation
- Volume calculation
- GM creation
- Creation of location and inventory plans
- Creation of topographic images
- Creation of planning fundamentals
- Documentation of construction progress
- Inner-city survey
- Aerial photographs

## FULLY INTEGRATED SYSTEMS AND WORKFLOWS FROM A SINGLE SOURCE

Aibotix works closely with other Hexagon brands such as Leica Geosystems, as well as with software providers Intergraph and Tridicon. The result is development of fully integrated systems and workflows for data generation and processing.

## YOUR ADVANTAGES OF UTILIZING THE AIBOT X6

- You can go places that conventional equipment cannot reach.
- You increase safety for your surveying staff.
- You save time and costs.
- You get high quality, accurate results.
- You benefit from the high level of expertise, the synergies, and the innovation potential of Hexagon brands.
- You will receive a premium product made in Germany.

