HHLA

AUTONOMOUS DRONE OPERATIONS THE FUTURE IS NOW

With a vision of the digital future firmly in mind, we – together with our hard- and software specialists – are delighted to announce the start of HHLA Sky.

The HHLA Sky solution is the cumulative result of efforts from some the world's finest UAV/Drone hardware and software developers, working in unison to provide a world class automated inspection, transport and data gathering solution. The Technology is now being deployed in one of the world's largest shipping and logistic centres – The Port of Hamburg. The technology is actively being used today to increase efficiency, improve safety and ultimately reduce costs.

The team consists of professional developers, aviators and analysts with a deep understanding

of the industry. You are invited to discuss and consult with our technical team about an enterprise level agreement.

Our UAV/Drone-based turnkey solutions make a real difference to the productivity and ultimately the profitability of your business operations and workflows. The solution can be tailor-made to suit your specific requirements in terms of workflow and sensor technologies.

This only provides a brief insight into the technology and solution. Contact us to discuss your situation and requirements to explore future possibilities with us.





USE CASES BENEFITS



- Ad-hoc and frequent transport on pre-defined routes
- Payload up to 3.5 kg
- Ideal for spare parts, documentation, medical supplies, material samples
- Automatic loading and unloading of cargo
- Customised to your requirements



- Randomised routes
- Live streaming <800 ms to Control Centre Client
- Surveillance in real time to Control Centre Video, RGB, Thermal image and video, picture-in-picture
- On-board data storage
- Spotlight integration
- Automated flights and inspections of defined locations and areas
- Person and object recognition

- Hazardous area inspection
- Critical asset inspection
- Facility inspection roadways and infrastructure
- Leak detection
- Emission detection
- Thermal building inspection

THE SOLUTION MODULAR AND OPEN ARCHITECTURE

Sky

- Developed and supported by HHLA (134 years of experience)
- Safety and security design concept

HHLA

- HHLA professional consultancy services as standard
- End-to-End solution (supply, consultancy, hardware, software, 24/7 support, training)
- Bespoke solution to meet your requirements
- Control up to 100 UAV inspection aircrafts simultaneously – globally
- On-board multi-processor architecture for control and security



- Object recognition and avoidance
- Direct video streaming <800ms to Control Centre
- Encrypted data-to-server transmission
- ROS Robotic Operating System as standard
- Automated landing and and auto-stop (disarm)

HHLA Sky Scheduler







CONTACT

Matthias Gronstedt

HHLA Sky GmbH

Hamburger Hafen und Logistik AG Bei St. Annen 1 20457 Hamburg Germany

Office:	+49 40 3088 3216
Email:	gronstedt@hhla.de
Web:	www.hhla-sky.com

