

GROUND CONTROL STATION THE FUTURE OF DRONE OPERATIONS



Honeywell

THE FUTURE OF DRONE OPERATION

Meet the future of uncrewed flight. As drones become more autonomous, ground control stations must evolve from piloting platforms to mission orchestration systems. Honeywell is leading the way with a GCS that seamlessly integrates airspace coordination, real-time data management and autonomous mission control.

THE FUTURE OF GROUND CONTROL STATION TECHNOLOGY

Honeywell is helping to define the future of ground control station (GCS) technology for larger drones. With regulatory advancements in drone operations, operators need scalable ground control stations that can serve as control hubs for remote pilots in command. Honeywell's ground control station addresses the needs of both current and future operations, ensuring that our GCS is suitable for any level of UAS operations.

The Federal Aviation Administration (FAA) and the European Union Aviation Safety Agency (EASA) are actively working to enable beyond visual line of sight (BVLOS) drone operations. BVLOS capabilities are revolutionizing the commercial drone industry and generating substantial opportunities for commercial operators across various sectors.

Honeywell is ready to help its customers capitalize on those opportunities with new advanced air mobility (AAM) technologies, including GCS platforms that meet the specific needs of operators for low- to high-risk operations.

We are applying our extensive domain expertise in BVLOS operations, including satellite communications, to field a scalable, aviation-grade GCS that enables safe, autonomous and integrated drone operations for commercial, defense, and AAM missions.

THE IMPACT OF DRONE AUTONOMY

The Honeywell GCS equips operators with the necessary tools to monitor missions, ensuring operational safety and regulatory compliance. Designed to meet the highest industry standards, our GCS is fully compliant with SAIL III operations requirements.

The Honeywell GCS is:

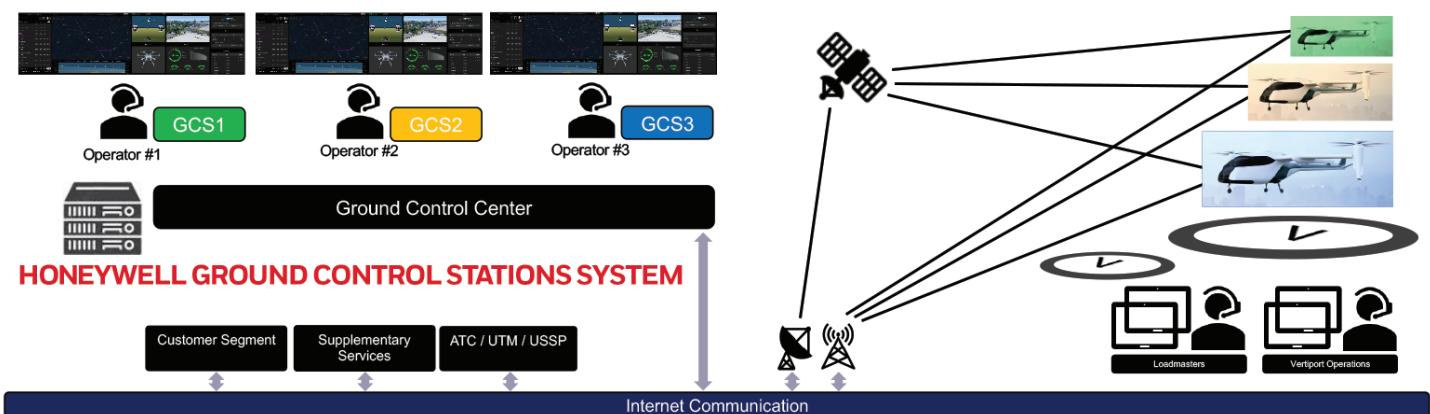
- Flexible and scalable, with options ranging from a single station to a centralized operations center with multiple stations, depending on your needs.
- User-friendly to reduce operator workload and minimize errors.
- Designed with open architecture to integrate easily with existing systems and services.
- Fully compatible with U-space / UTM service providers to enable logistics and air traffic management support.
- Rich in autonomy features and as decision-support tools.

The European Union's SESAR 3 Joint Undertaking identified ground control stations as a key enabling technology in the transition from piloted to automated flights. Honeywell is leading the [OperA](#) (Operate Anywhere) project for SESAR 3.



GCS – M:1 CONCEPT

Honeywell Ground Control Station (GCS) is your all-in-one solution for executing comprehensive drone missions. Engineered for versatility and efficiency, our GCS empowers drone operators and OEMs to seamlessly manage both simple and complex BVLOS operations, ensuring optimal performance and safety in every flight.



For More Information

To find out more about Honeywell's Ground Control Station Technologies, please visit us online at [_____](#) or contact us at [_____](#)

Honeywell Aerospace Technologies

1944 East Sky Harbor Circle
Phoenix, AZ 85034
aerospace.honeywell.com

N61-3340-000-000 | 10/25
© 2025 Honeywell International Inc.

THE
FUTURE
IS
WHAT
WE
MAKE IT

Honeywell