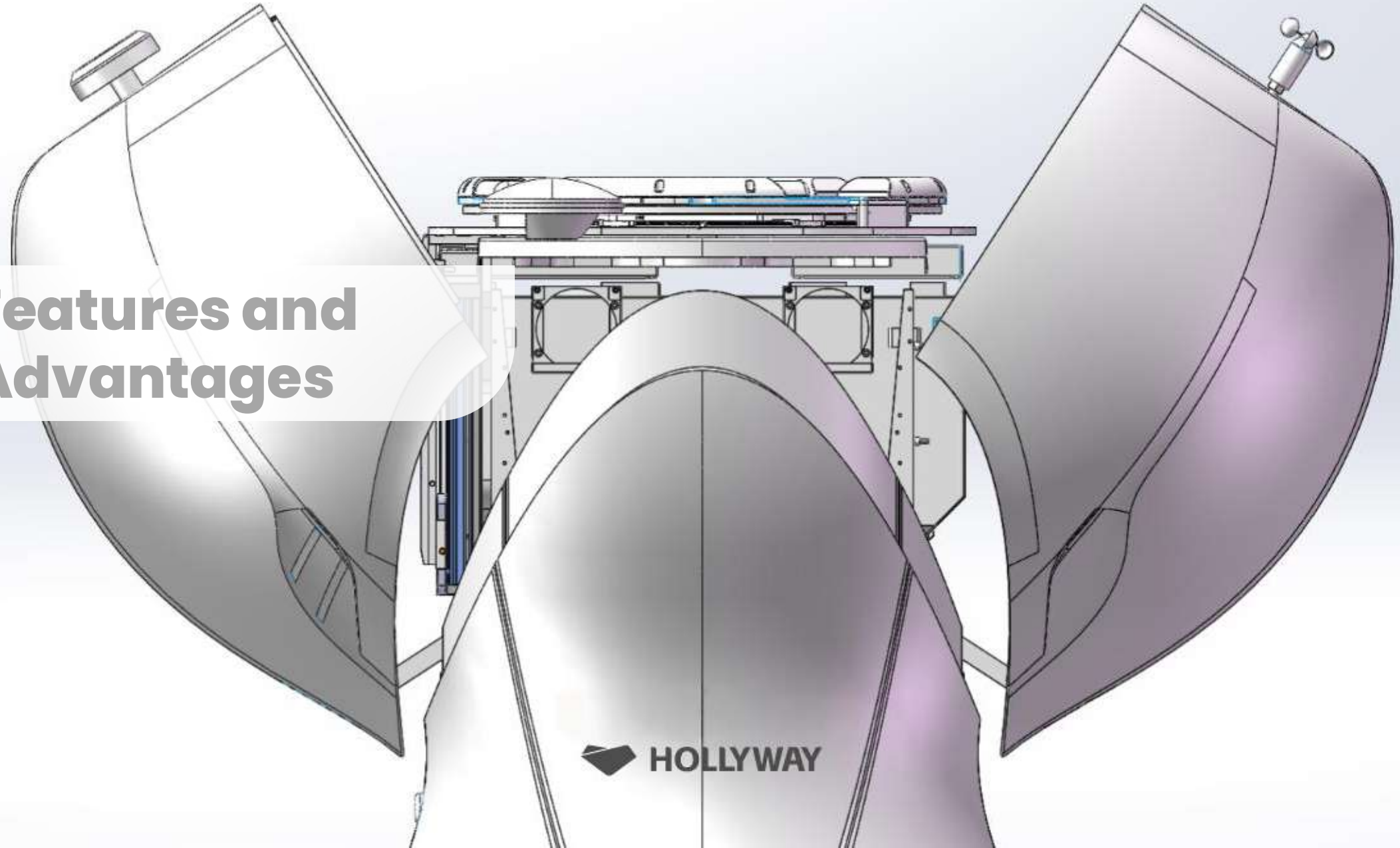

Next-Gen Drone Autonomy, Hollyway's Edge
Beyond Drone-in-a-Box
Full Autonomy Achieved
www.hollywaytec.com
HOLLYWAY

Hollyway has established unique technical standards such as AUTOMATICS and DaaSS (Drone-as-a-Safety-Service). While drones and docks serve as the physical platforms, our true value lies in delivering end-to-end autonomous inspection solutions tailored to diverse industrial needs.

Features and Advantages



Fully Self-developed Hardware For Solutions

A complete hardware set

Iron Series

- One fully automated dock equipped with one drone
- Autonomous charging dock with sub-50-second battery replacement capability
- Autonomous dock supports automatic replacement of 2 types of drone sensor\pod
- Engineered for industrial-grade durability with proven reliability in long-term operation, delivering robust performance across extreme industrial environments

A complete hardware set

Hive Series

- Up to 4 drones can be equipped in one fully automated dock
- Convenient and rapid deployment, widely adaptable to various scenarios
- Automatic dock supports fast charging of drone batteries
- Iron's best partner, fully unleashing the potential of multi-drone collaboration
- Scheduled to be launched in Q3 2025

Advanced Features Advanced Intelligent Drones

Hardware

Iron Drone

Incomparable Autonomous Flight Performance

Excellent Endurance

Super Intelligence

Multi-purpose Payloads

Reliability and Safety

Stable and Uninterrupted Communication

Advanced Features Advanced Intelligent Drones

Hardware

Iron Drone

Incomparable Autonomous Flight Performance

- omnidirectional visual perception and obstacle avoidance
  significantly minimizing drone crash risks through its advanced visual positioning technology
- support multi-drone collaboration and long-distance leapfrog inspection
- dimensions: 465*465*345mm; weight: 2100g (battery loaded) ~ 1120g (battery unloaded)

Advanced Features Advanced Intelligent Drones

Hardware

Iron Drone

Excellent Endurance

- maximum battery life 52 minutes

Reliability and Safety

- IP55 protection, resistant to rain, sand, snow, and force 7 wind
- vertical and compact design, ensuring no blind spots in the view, high maneuverability, more functions
- working environment temperature -35~60℃

Advanced Features Advanced Intelligent Drones

Hardware

Iron Drone

Super Intelligence

- onboard AI with computing power up to 100Tops

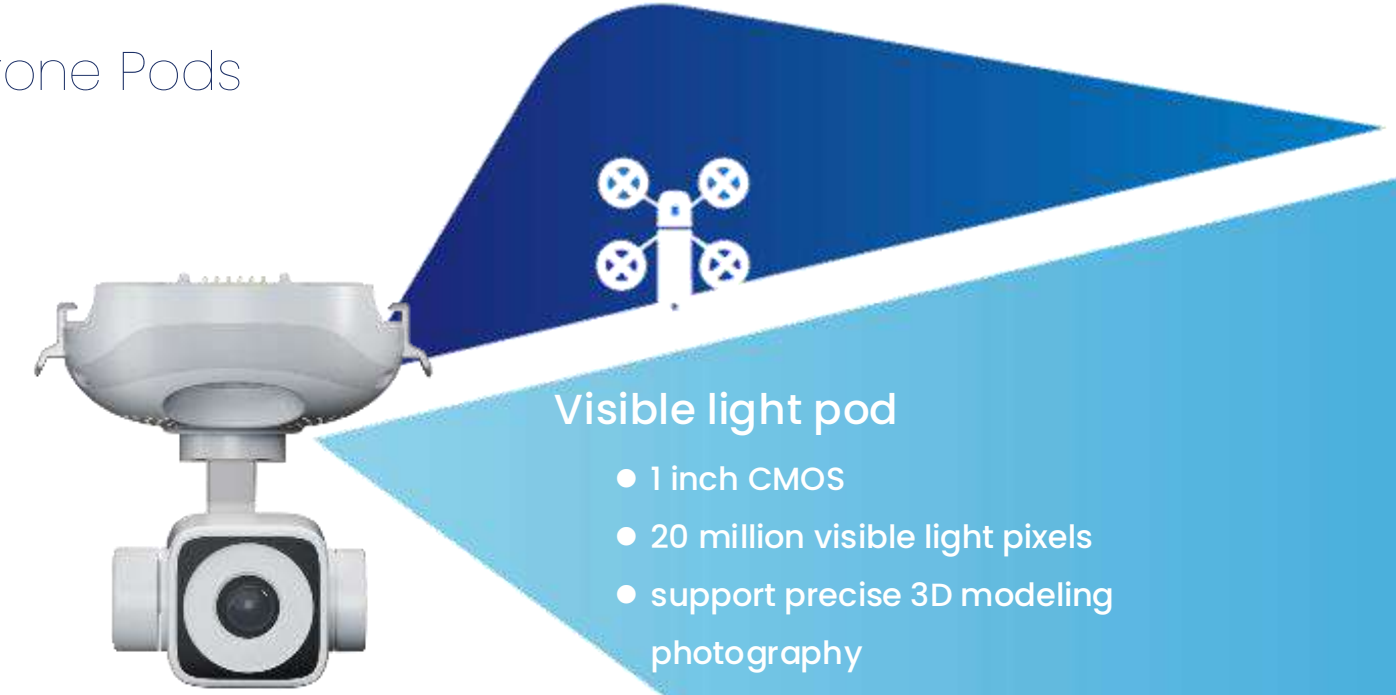
Stable and Uninterrupted Communication

- 4G/5G and microwave image transmission dual-link communication seamless switching
- multi-GNSS compatibility（GPS/Galileo/GLONASS/BeiDou）

Advanced Features Advanced Intelligent Drones

Hardware

Iron Drone Pods



Visible light pod

- 1 inch CMOS
- 20 million visible light pixels
- support precise 3D modeling photography

Speaker pod

- maximum volume120dB@1M
- Max. range: 150 m (70 dBm Tx power)
- Real time call, text-to-speech playback
- Multiple recording modes

Visible light and infrared pod

- 48 million visible light pixels
- 640x512 infrared resolution
- support 3D modeling photography

Advanced Features Intelligent Automated Dock

Hardware

Iron Dock

Iron Dock (close\open)

Automatic replacement of batteries and payloads

High-strength industrial safety

Multi-Dock Grid System Ensures Uninterrupted Drone Operations

Precise positioning

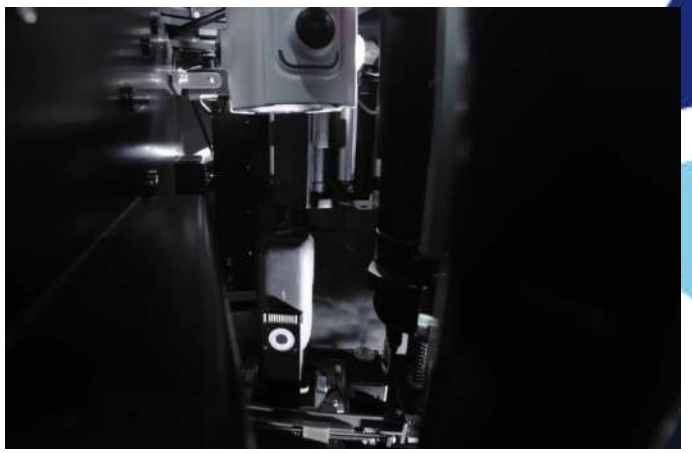
Practical innovatiion

Award-winning unique design

Advanced Features Intelligent Automated Dock

Hardware

Iron Dock



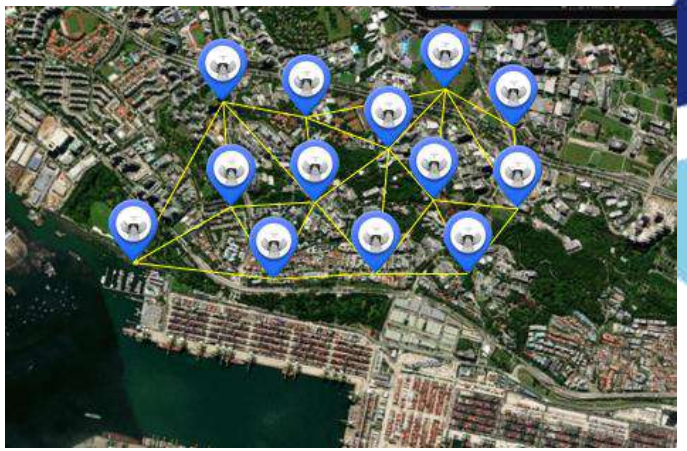
Automatic replacement of batteries and payloads

- equipped with 4 sets of drone batteries and 2 types of drone sensor pods
- automatic drone battery and pod swap in under a minute

Advanced Features Intelligent Automated Dock

Hardware

Iron Dock



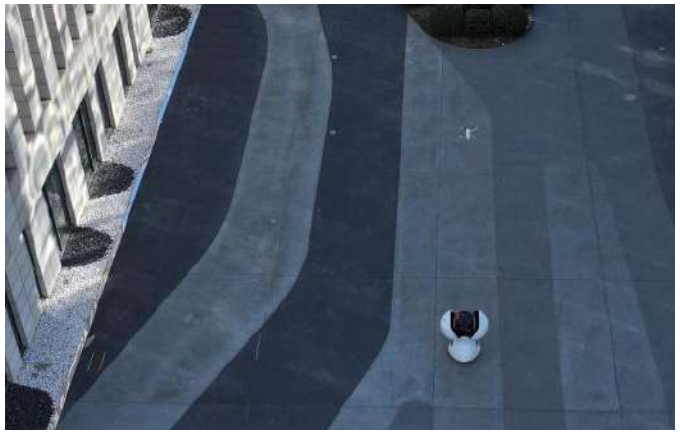
Multi-Dock Grid System Ensures Uninterrupted Drone Operations

- industrial operators typically deploy multiple docks in a grid cluster formation to establish a high-efficiency relay network
- a single dock can service an area exceeding 100 square kilometers

Advanced Features Intelligent Automated Dock

Hardware

Iron Dock



Practical innovation

- fully self-developed with precision engineering, our system delivers high-performance and exceptional stability—capable of tens of thousands of open-close cycles without failure
- optimized size/weight enables flexible deployment in urban, suburban, or remote harsh environments with equal efficiency
- permanently installed on rooftops or ground foundations, the system resists tampering and theft—unlike portable market alternatives prone to unauthorized removal

Advanced Features Intelligent Automated Dock

Hardware

Iron Dock

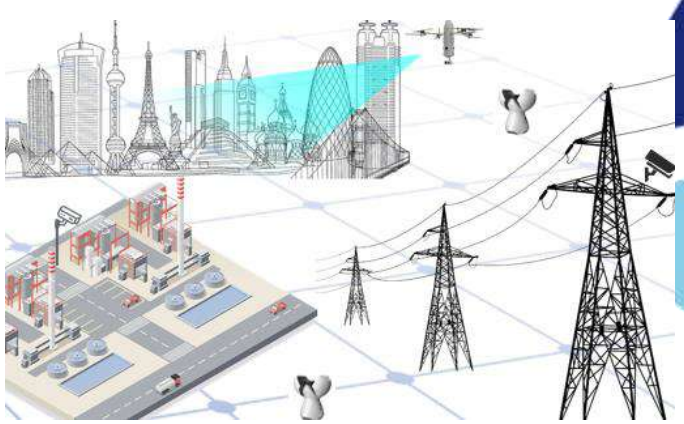
High-strength industrial safety

- industrial protection level IP55
- core electronic equipment industrial protection level IP65
- support working in an environment of -35~60 ℃

Advanced Features Intelligent Automated Dock

Hardware

Iron Dock



Precise positioning

- the docking station feature automated self-construction of RTK base stations
- we utilize PPP-RTK real-time GNSS high-precision positioning technology, integrated with a visual positioning system
- enhance the positioning accuracy of drones to centimeter-level precision

Advanced Features Intelligent Automated Dock

Hardware

Iron Dock

Award-winning unique design

- Hollyway Iron Series won the Gold Award at the London Design Awards
- Hollyway Iron Series won the Silver Award at the New York Product Design Awards
- the ultimate industrial design enhances environmental aesthetics

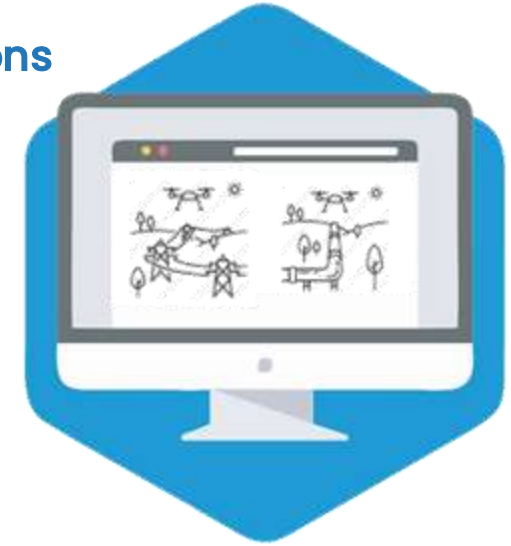
Advanced Features Hollyway Operation Platform Ecosystem

Software
H.O.P.E.

The software control platform H.O.P.E. makes modular and customizable design a reality by integrating sensor payloads, drones system equipment, AI algorithms, and IoT. It caters to the needs of various industrial users. Consequently, the need for a pilot is eliminated, and with just a single operator, most inspection and reporting tasks can be easily accomplished.

Easily achieve remote control

Lego-ized Solutions \Integrating management and control



Delivering high-precision digital twins with minimal cost

Automatic route generation

Maximum Security Assurance

Industry-specific algorithm database covering most sectors

Advanced Features Hollyway Operation Platform Ecosystem

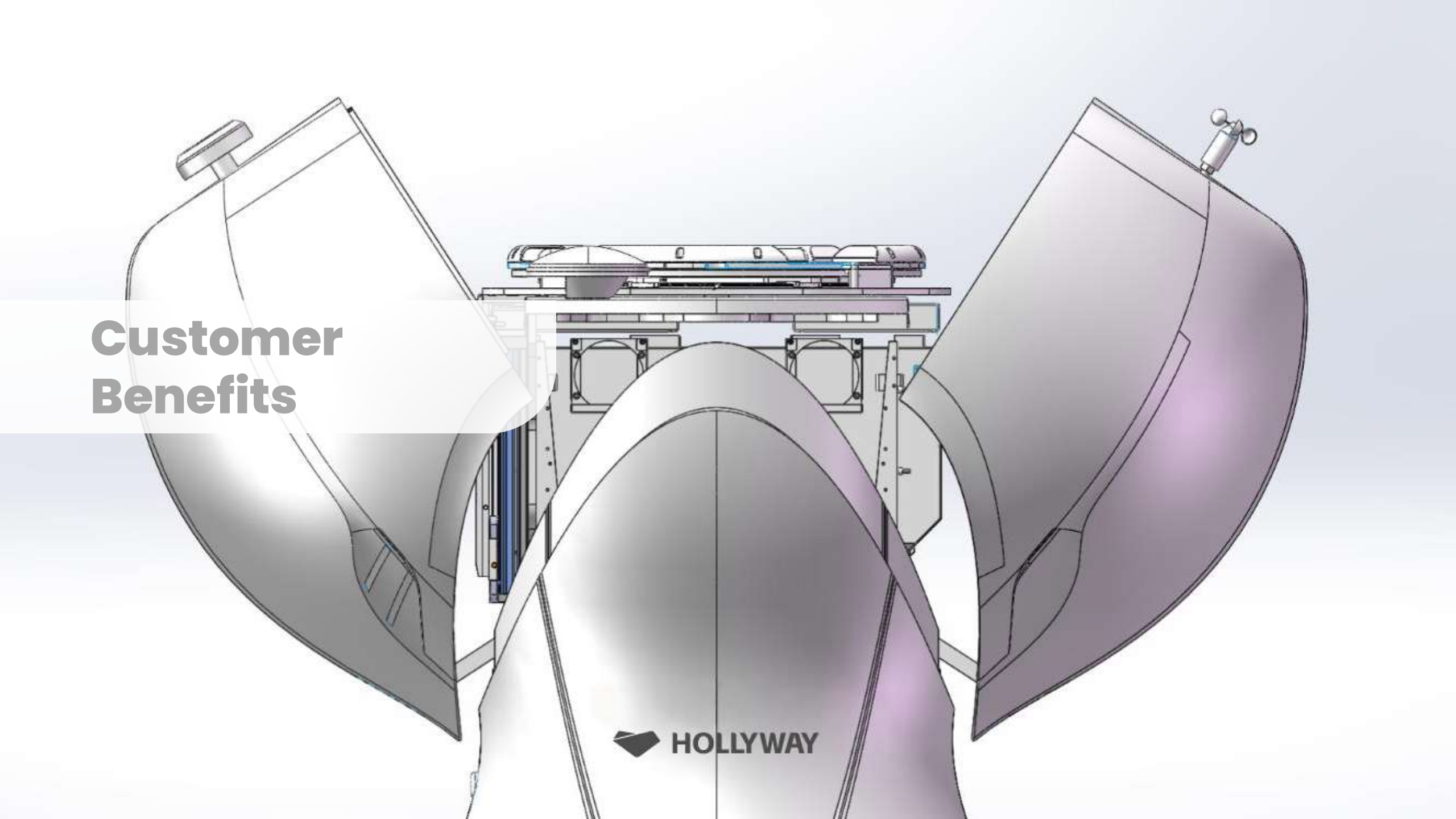
Software

H.O.P.E.

4D holographic control platform

- a robust management and control system with intelligent perception/identification, integrating: Remote drone scheduling; Automated anomaly detection & monitoring; Smart inspections; Real-time automated analytics & reporting
- high-performance computing for rapid synchronization and generation of 3D digital twins with real-time mapping
- automated flight inspection route generation via mouse-click or photo recognition technology, with minimal training requirements
- compare progress across time periods with automatic analysis and instant reporting
- promoting the defect recognize accuracy to 90%

Customer Benefits



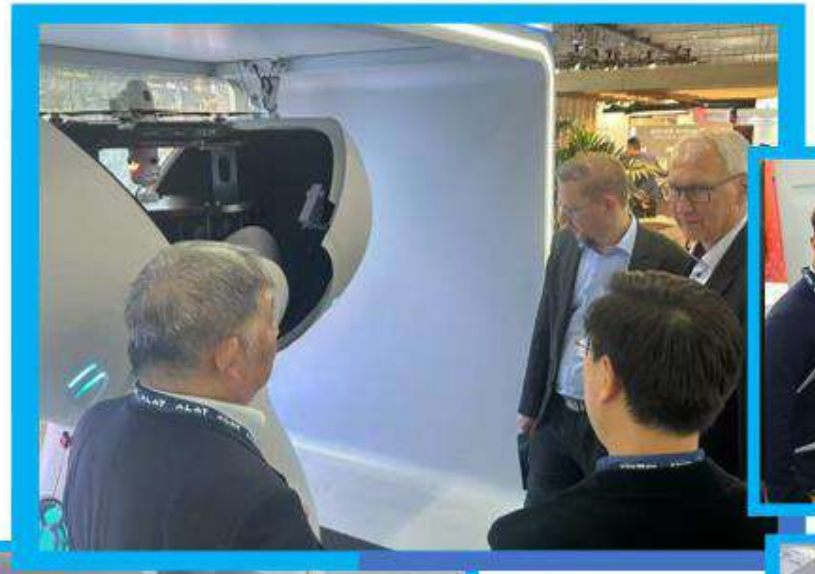
Beyond redefining Drone-in-a-Box standards - Hollyway drives the future of intelligent drone technology

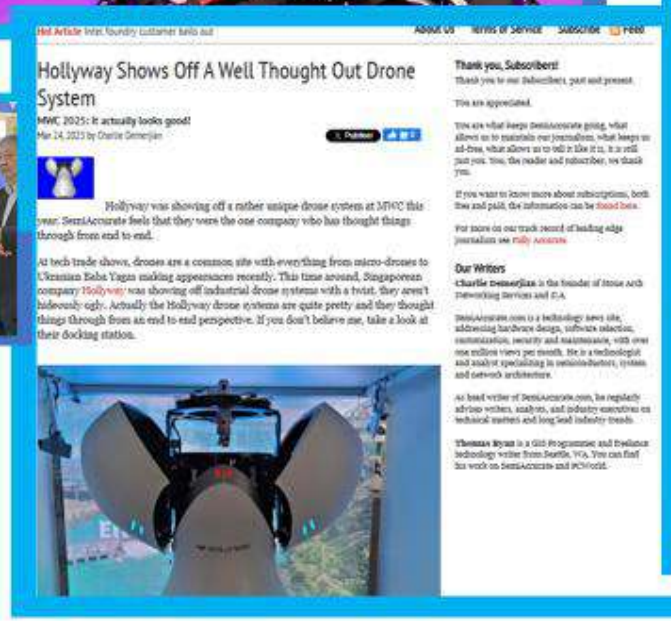
	Industory General Level			Only Hollyway Can Do	
Technical Generation	**GEN 1** Stable & Controllable Flight **-Any Drone Provider**	**GEN 2** Autonomous Workflow **- Yuneec/Autel** **...**	**GEN 3** Autonomous Operations **-Skydio/DJI** **...**	**GEN 4** Autonomous Multi-Mission operations **-Hollyway**	**GEN 5** Autonomous System-level operations with AI **-Hollyway**
					
Operation Manpower					
	On site	On site	Remote 1:1	Remote 1 : Many	Remote 0 : Many

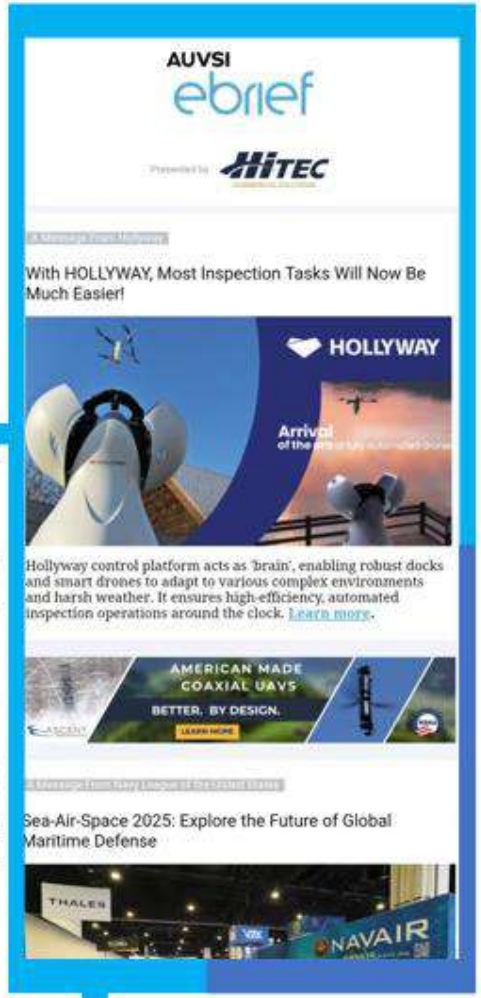
Autonomy: From tools to teammates to service

Hollyway Continues to WOW the market

Hollyway is rapidly expanding its global footprint. Although new to markets like North America, the Middle East, and Europe, it has already generated significant media attention and garnered strong interest from partners and end-users — particularly when compared to traditional drone equipment providers.
We firmly believe Hollyway is poised to become a game-changer in the drone industry, while pioneering the global adoption of fully automated, AI-powered solutions.







What tangible benefits and value does Hollyway deliver to industrial clients?

Boosted Efficiency

Industry-Tailored Solutions

Cost Reduction

Competitive Leadership

All-in-One Stability

Safety and Assurance

Boosted Efficiency

- Automatic battery and sensor payload swapping with rapid replacement in just 52 seconds under normal conditions and 20 seconds under emergency condition
- Automatically generate optimized flight routes with one-click
- 24/7 routine operations and mission execution
- Cluster swarming and leapfrog capability for large-scale or complex terrain operations

Cost Reduction

- Slash labor, vehicle and pilot costs: tougher environments, bigger savings

  In most cases, users only need to arrange a remote operator to initiate or monitor inspection tasks as needed. By simply working from a computer screen in the office, the operator can complete what used to be complex, time-consuming and high-cost work.

- Keeps workforce safe from dangerous conditions
- Automatically generate real-time analysis and produce authentic inspection reports
- Advanced risk mitigation eliminates potential loss

Industry-Tailored Solutions

- Modular design enables flexible system expansion
- Algorithmic intelligence enables agile system deployment
- Developed and supported by a team with decades of specialized expertise in low-altitude domain system
- Cross-industry solutions span power grids, oil and gas, smart city technology, and more

All-in-One Stability

- Ensure system consistency and stability with one integrated system under Hollyway, including control software, drones, and docks
- Dedicated closed-loop services and operational support from a team that understands your specific industrial needs and pain points
- Digital twins enabled by AI infrastructure transform your management system

Safety and Assurance

- Guaranteed DaaSS (Drone-as-a-Safety-Service) workflow
- Local data storage, on-premise integration, and full control of collected data
- End-to-end encrypted transfers incorporate multiple safeguards: temporal stamps, cryptographic protocols, and unique identifier authentication
- Dual-link transmission system (4G/5G and microwave) ensures uninterrupted BVLOS flights with seamless changeover between transmission modes

Competitive Leadership

- Proactive adoption of autonomous technology transforms productivity and unlocks future growth potential
- Human-Centric AI supports your work, enabling you to work smarter and more efficiently
- Retain a competitive edge with pioneering technology that continues to redefine what the future of automated work looks like

Intelligent Inspection Benefit Analysis

The high-frequency, normalized, and unattended fully autonomous drone inspection system can greatly optimize the inspection process, comprehensively improve the inspection efficiency, and reduce costs

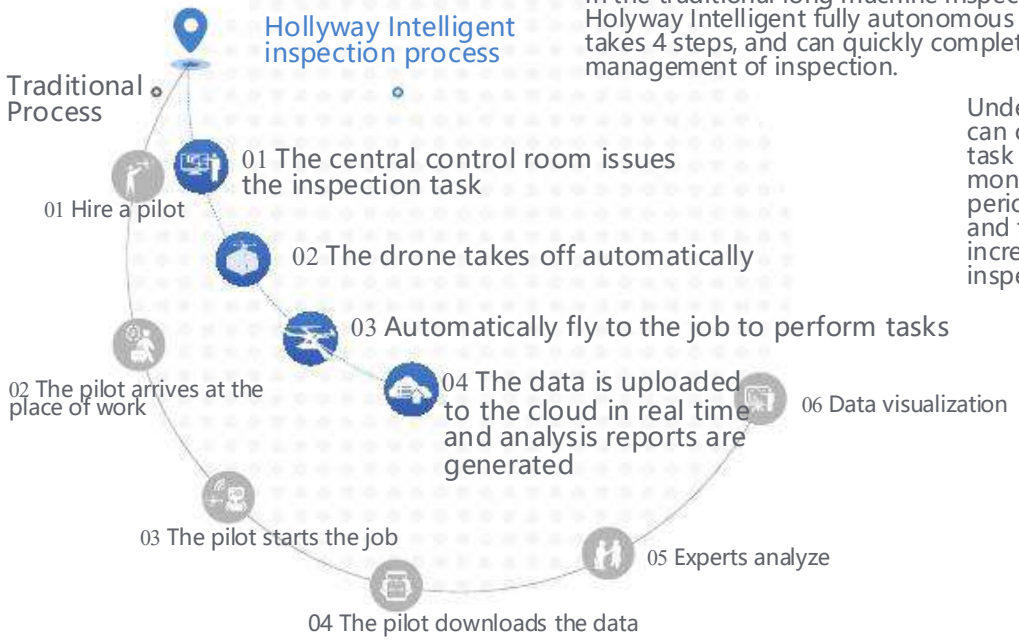
Grid cluster inspection

Human-machine collaboration

Human Inspection

Comparison of inspection processes

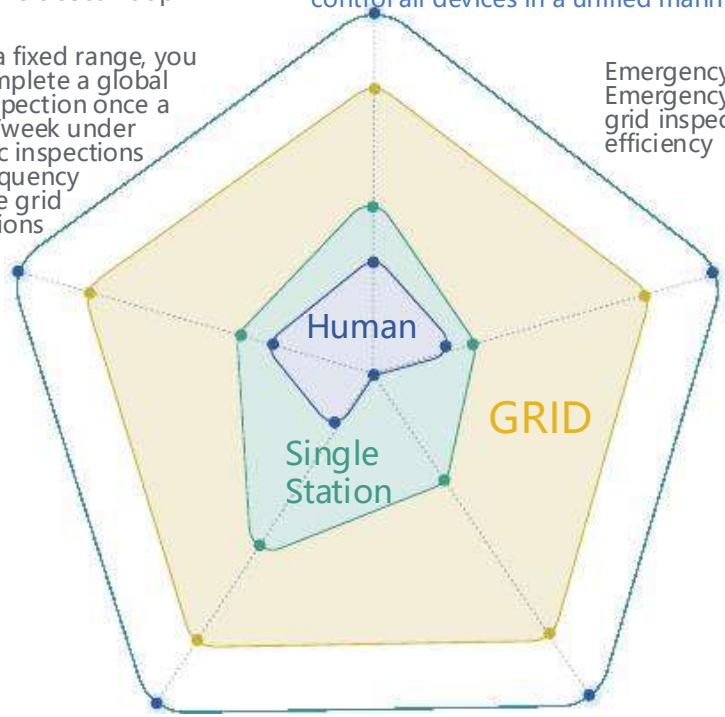
In the traditional long machine inspection process, Holyway Intelligent fully autonomous inspection only takes 4 steps, and can quickly complete the closed-loop management of inspection.



Under the grid inspection, only one person is needed to control all devices in a unified manner

Under a fixed range, you can complete a global task inspection once a month/week under periodic inspections and frequency increase grid inspections

Emergency tasks: Emergency tasks under grid inspection of response efficiency



Under large-scale cluster operations, the task formulation from a single task formulation to the processing time of the visual report and grid inspection is completely defined in the business language, avoiding the sorting of complex route work orders and the rapid analysis and processing of data with AI, and the rapid generation of visual reports

3D digital mapping capability: UAV automatic airport has the function of independent mapping under grid inspection, and realizes the four-dimensional periodic management of 3D maps

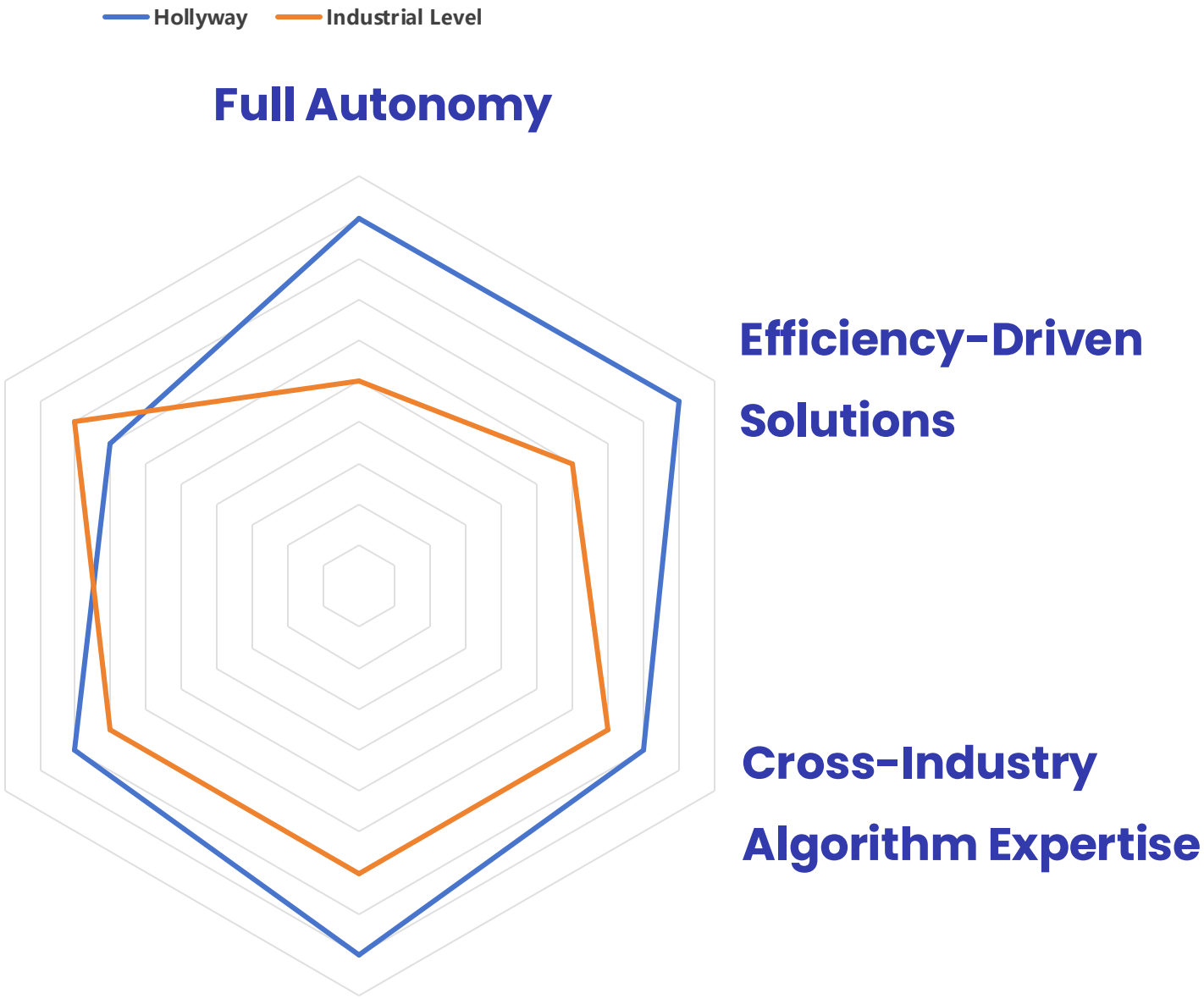
Efficiency improvement under grid deployment

Only one person is required for several systems

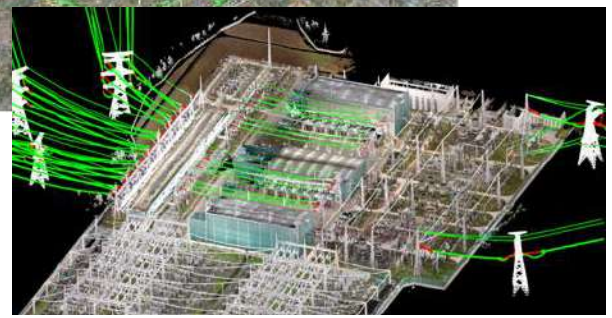
Conventional 3 people, 2 machines and 1 vehicle form a patrol inspection working group

It is necessary to dispatch a large number of people and vehicles to inspect each target one by one

Market Competitive Analysis



Case Study

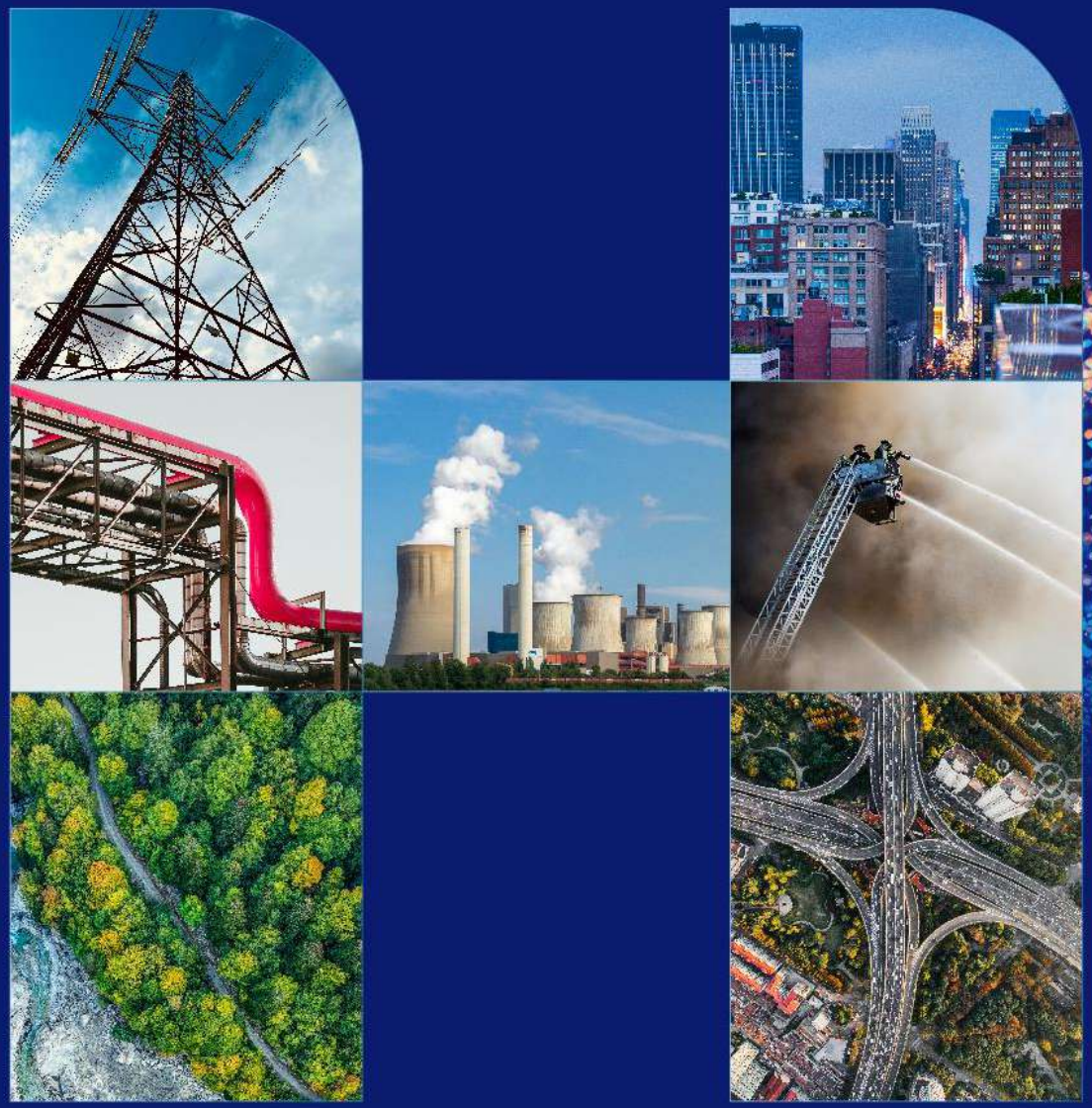


Customer: A power grid company that provides electricity for 100,000 km2+ area is exploring new inspection method using UAV technology for higher efficiency. The project area is about 1100 km2 with more than 9,000 towers with voltage ranged from 35V to 500kV.

Solution: Hollyway provide 24/7 fully autonomous inspection system. 14 Iron version drones , 14 Iron version docks. Space Vision and 3D Scan are also equipped.

Outcome	Previous Method Drone + Operator	Hollyway 24/7 Fully Autonomous Solution	Improvement by Using Hollyway
Labor Cost	9 people	1 person	89% Cost Down
Vehicle Cost	3 cars	None	100% Cost Down
Labor Safety Concern	Moderate	None	Safe Working Condition
Inspection Completion	6 months	1~2 Days	100x More Effcient
Value-Added	None	Enable Daily Patrol/Inspection	Tremendous Value-Added

Result: The customer saves 5.4 million USD in annual inspection costs and starts to carry out more regular inspections, patrols, and monitoring to respond more swiftly to anomalies.



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Low altitude comprehensive solution provider