

# DRONES



GDU

# NETWORK

## DRONE APPLICATIONS



***INSPECTION***

***TRANSPORT***

***SURVEY***

***LiDAR***

***EARLY  
WARNING***

***RESCUE***



# DRONES NETWORK

## **DRONES NETWORK - innovative drones: Features:**

- lightweight industrial UAV's
- powerful aerial assistants
- flights day and night and any weather
- safe and efficient flight and auto flight
- with an open platform for a modular interface
- easily switch between different payloads
- multi-scenario applications
- can easily and accurately hover
- built with an ultrasonic and optical flow positioning system, which guarantees a safer flight in narrow and complex operation environments realize obstacle perception
- equipment errors can be fast locked for timely repair (e.g. steel constructions/power poles)
- an infrared view of temperature difference (the infrared image quality is far better than industrial standards)
- public safety
- infrastructure construction
- with an accurate binocular intelligent obstacle avoidance system (anti-collision)
- built-in remote HD image transmission module
- multiple intelligent control modes such as automatic return and route planning
- anti interference technology

# DRONES NETWORK

## **Covering professional applications of energy security, monitoring and daily inspections of:**

- oil & gas pipelines
- connection flanges
- tank levels (oil & gas)
- water pipelines
- electricity poles
- wind power poles
- solar fields
- bridges
- industrial constructions
- fire prevention
- spills and leakage
- disaster patrol

### Further Advantages and use cases:

- mapping of missions & fire areas
- providing regional ground and spatial data
- geographic information
- route selections (e.g. for pipeline constructions)
- avoiding unnecessary losses
- data in real time

### Delivery of different payloads:

- medicine
- laboratory samples
- urgent goods /communication devices