



# SPECIALISED RISK & CRISIS MANAGEMENT

## GLOBAL EYE UAV SOLUTIONS.

### SURVEILLANCE , INSPECTION SURVEYS & DISASTER RESPONSE

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[WWW.SSDS.CO.UK](http://WWW.SSDS.CO.UK)



Company statement:

Unprecedented levels of civil & political unrest has changed the world we live in today; the escalation of countries in conflict and post conflict regions with social unrest issues and the increased global threat to personnel working in challenging environments, company facilities and there assets have prompted international companies & organizations to seek and implement more sophisticated risk & crisis management services to provide the right level of support relating to the region, environment, project and threat.

As global security issues continue to increase hindering development in countries where commercial and private companies are in a constant battle with the local populous, insurgent or criminal elements. The need for pre-emptive planning, surveillance and security solutions is at its highest level within the last ten years.

Through innovative thinking and our approach to constantly evolving challenges, SSDS has the ability to design sophisticated specific-to-task solutions protecting and sustaining your businesses, operations, personnel, assets and profitability through realistic risk & crisis management planning. SSDS risk management specialists are fully competent through years of experience in multicultural environments allowing us to provide an extensive range of proven pre-emptive and responsive support solutions.



Services [but not limited to]:

- Communications and regional intelligence
- Crisis management and contingency planning ( View Contingency Presentation)
- Risk assessment and analysis
- Oil & Gas related risk management services
- Commercial security and advisory services
- Training for specialist military, police, intelligence and security applications.
- Close protection, force protection and physical security enhancements
- Travel security for business travellers (View Travel Security Presentation)
- Armored vehicle service
- Audits and reviews
- Asset and key personnel tracking
- Surveillance and counter-surveillance applications
- Special to task security / Medical training
- Corporate liability and reputation risk management
- Insurance related security services
- Civil/military co-ordination, planning and interface
- Medical, logistical, and security for EOD and humanitarian support and assistance.
- HSE / QHSE Quality Services



New service – Globaleye UAV Solutions opening comments:

UAV or (Aerial Intelligence Platform) Aerial Intelligence in the Palm of Your Hand

Unmanned aerial vehicles (UAVs) have been the tech stars in the conflicts in Afghanistan and Iraq — as well as in the more amorphous War on Terror, but commercial drones can be used for everything from border control to law enforcement & security surveillance to infrared heat detection for firefighters. They can also be used for mapping, remote monitoring of oil fields, structural inspections on rigs and difficult to reach areas along with inspections on industrial sites or for environmental applications. The applications of commercial UAV technology is limitless.



Potential risk to personnel & assets when operating in developing or challenging environments can now be assessed and even controlled more efficiently and effectively by implementing a new effective risk management solution. Over the last ten years the escalation of countries in conflict and countries with natural disaster & environmental issues has risen prompting international companies operating in remote and challenging environments to seek and implement this new form of risk & crisis management tool, the industrial and commercial unmanned aerial vehicle. (UAV).



Continued:

SSDS Risk Management has invested in this area and see artificial intelligence drones as the way forward in today's challenging environments providing detailed inspection services, real time intelligence, environmental & security surveys and emergency response search services.

After the successful integration by special military units, police and emergency agencies into drone technology and the technical experience gained during the last few years globally in challenging environments, coupled with advances in this field has allowed commercial companies such as SSDS Risk Management with advanced drone technology to be equipped and ready to provide a service essential to today's global issues.

UAV or (Aerial Intelligence Platform) have an enormous application range and provide a standard & quality of service that SSDS operate benefiting our clients with in-depth survey footage and real time intelligence.



UAV Applications:

Globaleye key applications:

- Energy facility & pipeline Surveying, monitoring /mapping
- Onshore / Offshore rig structural inspection surveys
- Engineering geodata & terrain surveys
- Site & facility inspections
- Emergency and disaster damage assessments
- Environmental Protection surveying (hazardous waste & spills )
- Security (surveillance, criminal interaction & counter-insurgency detection /monitoring)
- Tactical & covert surveillance and security surveys
- Asset protection, monitoring & locating
- Emergency and disaster response / Search and rescue
- Accident investigations and real time intelligence
- Entry control
- Vessel inspection
- Anti – Piracy inspection & intelligence
- Contingency & evacuation planning & monitoring



## Structural and Safety Inspections

UAVs are an essential tool in inspecting critical infrastructure and reducing risk. With advanced image technology and experienced operators UAVs can detect cracks, leaks, weaknesses and potential failures before they become disasters.

Globaleye can collect precise aerial data at close quarters when navigating effectively between large obstacles and inaccessible areas. Our system can monitor and inventory oilfield rigs- facilities both on land and offshore. Globaleye can perform a number of inspection applications to include asset inventories, emergency inspections and provide post-incident imagery and data for assessment.



## Site, Facility & Pipeline Inspections

The feasibility of UAVs is now being tested for everything from facility and infrastructure surveys through to support applications. Site & facility surveys are just two of these applications Globaleye supports. Is your site secure? Are there any vulnerable areas overlooked that could lead to asset loss? Is there any unforeseen HSE issues? Is it safe to send in engineers for further investigation? The best way to know for sure is to take a close look. Our UAV system allows your engineers to have access to expert video and photographic imagery of any structure or site in a matter of minutes.



There are several hundred thousand kilometers of oil and gas pipelines in developing countries, many of them spanning inhospitable terrain. Ensuring the security of these pipelines and that environmental protection requirements are met means a great deal of repetitive ground patrol inspections logging each inspected area and the length of each line, along with time spent grid referencing in the event of a damaged segment or scheduled maintenance. Globaleye can fly along pipelines providing services such as security, monitoring of maintenance work or damage detection allowing field engineers direct access to real time imagery and data for analysis and response.





## Engineering geodata & terrain surveys

UAVs make monitoring, measuring, discovering and locating natural resources simple and cost effective. Our applications can be used for oil / gas and mineral exploration, mining and spill identification containment and management. With advanced image technology Globaleye applications play an essential role in inspecting and providing terrain and impact Geodata identifying how to best diminish any potential adverse effects of a proposed project for analysis and recommendations.



Focusing primarily on the energy sector our general assessments involves one or more of the following: Conducting site inventories, mapping and performing impact assessments as required by local, regional governments, identifying impact mitigations for reducing risk.

Providing advanced image and data is also an essential requirement for legal reporting and possible actions.



## Security – Surveillance & Intelligence

Globaleye provides an ideal platform for a range of security and surveillance applications. The unit can be fitted with high definition video and still cameras, plus thermal infrared imaging systems for night operations to provide remote and live monitoring and real time imagery and data. In the fight against criminality & insurgency the UAV has proved to be the ideal and necessary tool for rapid detection, tracking and identification of criminal activity. The UAV system is less costly and more practical to operate than manned helicopters or ground security personnel and also far less visible.



These security and surveillance applications create a strong effective deterrent against any criminal or insurgent activity including unknown risk elements. Our UAV system brings the world of aerial surveillance & intelligence directly to the people who require this data as decisions need to be made quickly and decisively.

Understanding the safety and security situation within a (3.0 Km ) perimeter around your facility or site ensures your security personnel have the information they need to make the best decisions possible to ensure safety to your personnel and assets or react in the event of suspicious activity or a potential security threat.



## Emergency & Disaster Response

UAVs are routinely used in many applications where human interaction is difficult or dangerous. These applications include search/rescue and disaster response. Globaleye can help in disaster relief by gathering information from across an affected area. When deployed our UAV system can help by building a picture of the emergency or disaster area and providing imagery / data and recommendations for how the response teams should direct their resources to mitigate damage and save lives.



A search and rescue operation, time is your worst enemy – the quicker search and rescue teams coordinate and commence the better the chance of a successful operation. Globaleye can be airborne within minutes of response teams arriving at a disaster situation, instantly performing aerial search and rescue surveillance operations providing real time imagery data direct to the search & rescue teams.

UAVs support many phases during the response of a disaster including:

- Assist Search and Rescue Operations
- Provide real time situational awareness during a disaster or rescue operation
- Provide real time imagery of damaged or assess conditions in inaccessible or contaminated areas
- Determine status and potential risk of critical infrastructure
- Monitor response operations and provide recommendations



## Client benefits :

- Cost effective - No stoppages or shutdown of operations during inspections.
- Cost effective - No extra services required such as rope access or maintenance teams during inspections or surveys.
- Cost effective - No extra manpower required for structural inspections on unfamiliar or high inaccessible areas.
- Cost effective – No extra manpower needed for pipeline or facility security surveys.
- Cost effective – No wasted man hours on extra manpower as this application only requires one/two consultants per inspection.
- Multiple inspections relating to requirements.
- Minimum Health & Safety issues– drone inspections reduce the need for people to be placed in potentially dangerous locations.
- Locate and diagnose issues or problems quickly. From all angles both visually and thermally.
- Instant high quality imagery and technical data for survey analyses & recommendations.
- Photographic and film imagery filing system for legal accounts & actions.
- Real time intelligence and data for reports & investigations.

Listed above is but a few areas our clients will benefit, realistically the list is endless as each inspection or survey is specifically tailored to our clients project and requirements.



Summary:

The finest quality data – fast – safe – precise – constant and cost effective

- For commercial clients, Globaleye provides a quicker, cost effective, safer, and more precise & accurate means of collecting surveillance material and aerial imagery than conventional alternatives.
- Globaleye can be used for many applications within a wide range of industries, and can be used for multiple projects within a single company or organization.
- Globaleye can be deployed quickly, easily and as often as required relating to the project or operation, collecting imagery which can be imported directly into the clients' database.
- Globaleye main priorities for every flight remain the same:
  - Protect Lives
  - Protect Property & Assets
  - Protect the Environment
  - Provide imagery surveillance data
  - Provide real time intelligence for record and legal situations.
- All Gobaleye activities are conducted within national law parameters and local legal approval.





SSDS Globaleye UAV solutions provide dependable performance and results, even in the most demanding and challenging conditions.

# QUESTIONS

SSDS RISK & CRISIS MANAGEMENT

WEB: [WWW.SSDS.CO.UK](http://WWW.SSDS.CO.UK)

EMAIL: [CM@SSDS.CO.UK](mailto:CM@SSDS.CO.UK)

EMAIL: [ENQUIRIES@SSDS.CO.UK](mailto:ENQUIRIES@SSDS.CO.UK)

Kenya Mobile: +254795431410

UAE Mobile: +971502808924

UK Mobile: +447553363592

Skype: SSDS-International

UN Registration: 137636

