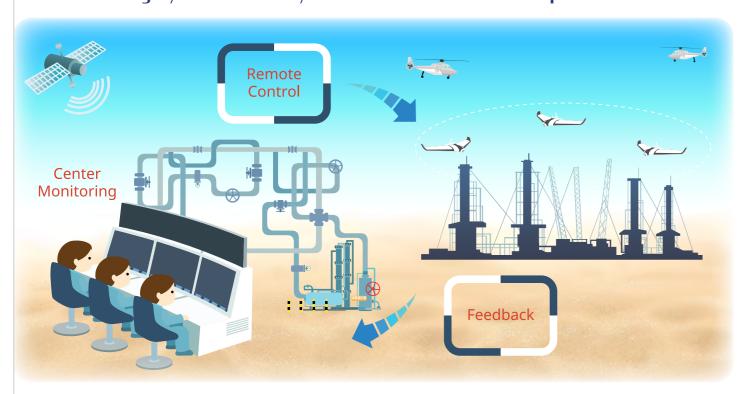


Terra Drone Corporation



Pipeline Monitoring

UAV Monitoring System for Safety Production of Oil and Gas Pipeline



System Component

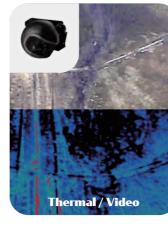


Possible payload









What we can do

Monitoring & Survailance

Terra Drone provides long range monitoring solutions for illegal activities. Our solution can detects features of persons, cars which intend to steal resources from the assets. Also capable of tracking, following those ones suspected to do some illegal acts.



Terrain Analysis

We provide terrain analysis which are relevant for pipeline or Oil & Gasassets construction and managements. Those outputs can be used to check ground movements, hazard detection.



Monthly Change Monitoring

Early detection of slops, erosion, encroachment, subsidence and geohazard

Project Visualization

The Viewer processes and analyzes remotely sensed (satellite, airborne, and UAS) information that allows owners and contractors to view their projects in a 2D and 3D web-mapping environment

Hazard Detection

Hazard Detection combines remotely sensed data with machine learning to identify potential project hazards such as slips, erosion, karst formations, subsidence, etc.

Asset Management



STEP 01

Data CapturingTerra Drone will capture data for you.



Flare Stack Inspection

Our Inspections ways give time effective benefits. We do not require to stop operation of flare stock.

The inspections detect damages such as rusts, cracks, movements of components installed with the asset.



Underdeck Inspection

UAV Inspection for under deck gives benefits such as time and risk reduces.

Besides, it can also reduces making scaffolding that was needed to reach to an inspection point.



Internal Tank Inspection

Terra Drone can undertake UAV internal inspections on large tanks on operational vessels such as FPSOs, bulk carriers, tankers and onshore oil storage tanks.



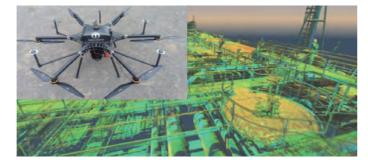
Structural Inspection

Terra Drone's UAV inspection technique provides structural inspections of high or difficult to reach structures, which are faster and safer than conventional access methods.



Aerial Survey

Terra Drone uses drones for aerial surveys and mapping. With these pictures we create 3D digital elevation and terrain models as well as orthophoto mosaics.



Piping Modeling

LIDAR is particularly useful in power plant renovation projects because it brings the power plant design back to the office rather than requiring work in the field. The laser scan accurately locates existing pipes...



STEP 02

Data management

Terra Drone will analyze the data for you and share with you.



Terra Drone Data Management

Drone do not provide remote inspection tools, just raw data (photos and vdeo).

Terra data platform is a platform that uses Machine Learning to allow

Oil and Gas Companies to identify and measure asset anomalies, such as corrosion and cracks.



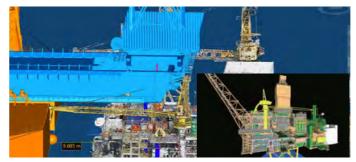
Easy Anotation

Effortlessly mark issues in images to point out where actions need to be taken. Annotated images are the key to automated fault detection.



Artificial Inteligence

The AI is trained for various scenarios and can swiftly review all of your images. When a potential problem is detected, the AI marks the problem with an annotation for your approval. If the AI detects the same issue across several images, it will automatically link them together if a 3D model exists. Computer Vision is available by request.



Degital Twin

Terra Drone India data processing team has capabilities to create the precise 3D CAD modeling from the point cloud data (captured by UAV).

- Enables virtual asset management
- Creating dagirtal twin data to manage on the data platform



Sharable Reports

We have web based management system. It's essential to share information about issues with team members, customers and service teams. To accommodate this need, we created the report module.

03

Terra Drone

Terra Drone Product Lineup



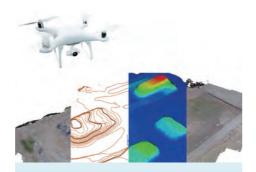


Terra UTM





Terra Inspection





Terra Mapper





Terra LiDAR System

photogrammetry is that the laser beams can



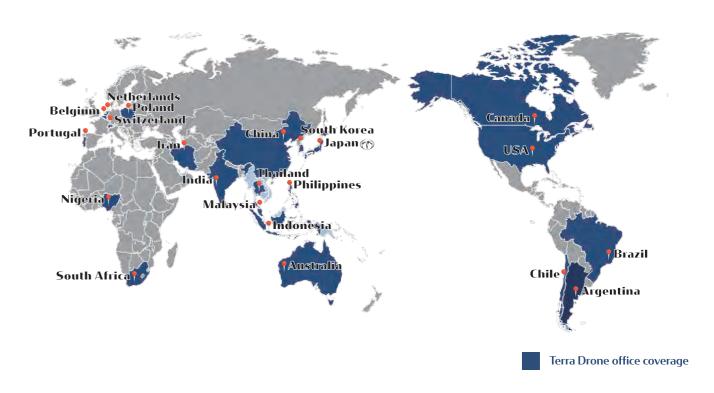


Terra SLAM

designed for underground mines, tunnels, and similarly dark and constricted zones. include large pipes, underground tanks, unmanned facilities, and dangerous structure.



What we can do



We are a leading commercial drone service company headquartered in Japan and having regional office in around the world. We provide out of the box end - to - end solutions across domains. We also helps companies to carry out inspection of complex job sites, such as those in mining, oil and gas extraction, and power line

Having successfully completed numerous UAV based projects, we have multiple ongoing Government projects, most of which have not been carried out before

Our Client























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