

Security Management with Drones and A.I on Oil & Gas Wells

I Problem

Since the start of industrialization, all of the countries focus on improving their security by implementing technological innovations and investments. In the concept of maintaining security, utilization of technological tools lies.

As a result, to utilize the factories, benefits of technological improvements play a very critical role. For example, with usage of drones on the security process by utilizing drones for security regarding to the oil and gas wells , drones result with positive comebacks as a result.

Change is a matter of subject that results with challenges and difficulties whether it is good or bad. This is due to the nature of adapting to a new situation and needs time to adjust and adapt. In this context, while implementing new solutions and potential benefit to the security of oil & gas wells, we, as Modeo Family, present you our Modeo Drone Product, which includes the properties for security management with drones on oil and gas wells.

I Solution

MODEODRONE Live Video Communication (3+ Multi Channel(5G/4G) Bonding Live Streaming Auto Pilot Drone)

1. Drones holds great potential in industrial controls and can become integral part of industrial controls. With drones, some tasks that is hard for human capacity can be done more easily and make the production process more easy in the industrial level.
2. With the addition of IoT tools and high definition cameras which also can promise live streaming quality increase, drones can be utilized at its most level .In this context, some other Modeo Products can be used in security area with the usage of A.I as well thanks to the combination of IoT, A.I and drone technology.

EXECUTIVE SUMMARY

I Short Summary

Sector : Security Management with Drones and A.I on Oil & Gas Wells

I Glance

1. Implementation of drones on oil and gas wells.
2. Usage of A.I and IoT on patrolling drones.
3. Effects of drones on security area.

I Solution

Modeo Drone

With the usage of Modeo Drone, you can optimize your security management regarding to oil and gas wells.



Modeo Drone Quantities:

Modeo Drone is designed to help its user to at many levels and attributes. Some of them are such as:

- Monitoring the both air and land platform's live streams at same video surveillance screen. This is critical to analyze the operation attributes and to take the decision.
- Ensuring right ratio in the human-machine relationship.
- Detecting potential wastage.
- Analyzing data immediately to identify problems. (with addition of IoT device)
- Immediate situation recognition.
- Real-time response rate.

More detailed look at patrolling area: Variable Volume Concept GPS Map Tracking Patrol Duty

Our ready to customize, scalable, game changer UAV platform concept. Streaming Live with 3+ 5G/LTE/3G and auto Multi * GPS Map Tracking Patrol Duty feature.

Combining advantages of fixed and rotor wing concepts, variable volume platforms not only reach long distances and fly further by at least 2.5 times than regular multi-rotor drones but also by changing its volume in the air, make maneuvers in urban areas which is not accessible by fixed-wing A/C.

This patrolling attributes, can also manifest in providing security management for certain situations.

Potential Case for MODEO DRONE

You are an engineer working at the oil area and responsible for the security of oil and gas wells. You detect a problematic situation possibility from your calculation and want to observe the behavior of the wells on the site. As a result, you want to look at the wells to observe them but there is limitations for human potential, which includes injury and poisoning risks. In this context, you can utilize Modeo Drone with it's A.I additions to automatically monitor and detect problematic situations on the oil & gas wells which can result in security problems. in the factory about the reason of increase in the wastage amount in particular machines but workers can't find the reason behind it. With the usage of Modeo Drone, you can capture the moment of the wastage and can observe the reason behind it by utilizing its attributes and with the combination of recognition and IoT, you can take one step closer to solving it.