

# Factory and Patrol Drones

## I Problem

Since the start of industrialization, all of the countries focus on improving their manufacturing and production processes by implementing technological innovations and investments. In the basis of manufacturing and production processes, concept of the utilization of factories 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 manufacturing and production process by utilizing drones for patrolling operations is an increasing usage area of drones 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 utilization of factories, we, as Modeo Family, present you our Modeo Drone Product, which includes the properties for utilization of factories by promising patrol and surveillance opportunities.

## 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 industrial settings as well such as our IoT product MOBIoT and our live streaming device Modeo Live ML33 Plus.

## EXECUTIVE SUMMARY

### I Short Summary

**Sector** : Factories that can use drones.

### I Glance

1. Implementation of patrolling drones on factories.
2. Usage of A.I and IoT on patrolling drones
3. Effects of patrolling drones on factory manufacturing optimization.

### I Solution

#### **Modeo Drone**

With the usage of Modeo Drone, you can manage and optimize your production plan in your factory.



### 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.

### Potential Case for MODEO DRONE

You are a manufacturing engineer and on paper calculate the potential wastage amount. There is some error in your calculations and you can't determine the cause of it from your calculations. As a result, you start asking the workers 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.

[For more detailed information about MOBIoT](#)

[For more detailed information about Modeo Live ML33 Plus](#)