Drones

Accur8vision is shedding a new light on the security and safety world for its ability to now track an intruder or object the entire time.

Challenge

- Could be drone tracked in heights? Let's say on the roof of the building.
- Is accur8vision capable to detect small things like drone?

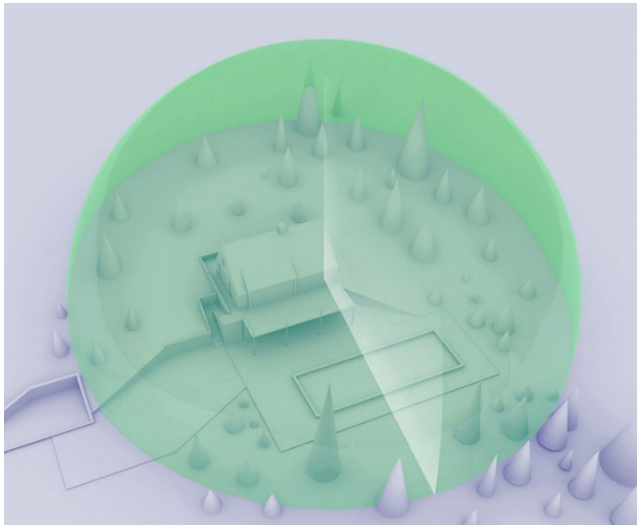
Solution

- A security zone and lidars could be placed on top of the building that needed to be protected.
- Aaccur8vision could track things as small as a few centimetres, it depends on a distance from lidar detector.

Drones have become a hot commodity in the last few years. The more places people travel to the more places there are signs stating that no drones are allowed. Not only is it pesky for normal everyday people but it is also a problem regarding security. Many drones come with high end cameras that can record or take pictures. This is a big risk for high end infrastructure like nuclear power plants and government divisions.

With accur8vision and the use of lidar technology, it is possible to create something like a virtual net. This virtual net creates laser beams in a pattern where it is impossible for a drone to fly through it without activating an alarm. It is also possible to track the trajectory of the drone so that it is visible to see exactly which direction the drone came from.

1 | Drones



Using accur8vision against drones was successful. With the lidar beams interweaving together causing a sort of web design made it feasible to detect the smallest of drones. The number of lidar used differentiates between the needs of the area but the detection of the drone was realistic. Placing lidars at an angle over what needs to be protected causes the laser beams to be more distributed towards the sky causing a network of laser beams. A security zone inside accur8vision was then placed on top of the building that needed to be protected. Once the drone was inside the security zone an alarm was activated. This technology, accur8vision, was able to detect a drone and alert the operator that there was a drone on premises.

Drone detection is possible when using accur8vision which consists of lidars and security zones. The drone wasn't able to go undetected once it flew into the area of the lidar and the security zone.