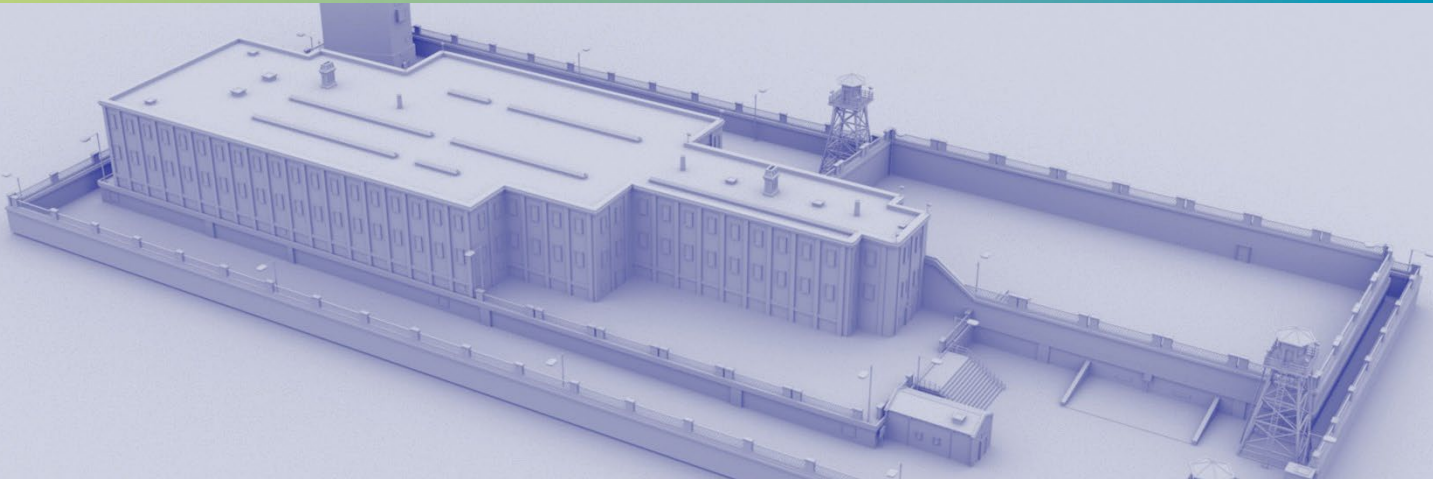


# Prisons

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

- Can Accur8vision rise just invisible fence around prison building or is it possible to create anything sophisticated?
- Is it possible to be noticed if anybody is approaching the prison from outside?
- What about guards. Will they trigger alarm the same as prisoners? Can guards walk in one area and not set on an alarm?
- Is Accur8vision familiar with crowd control?

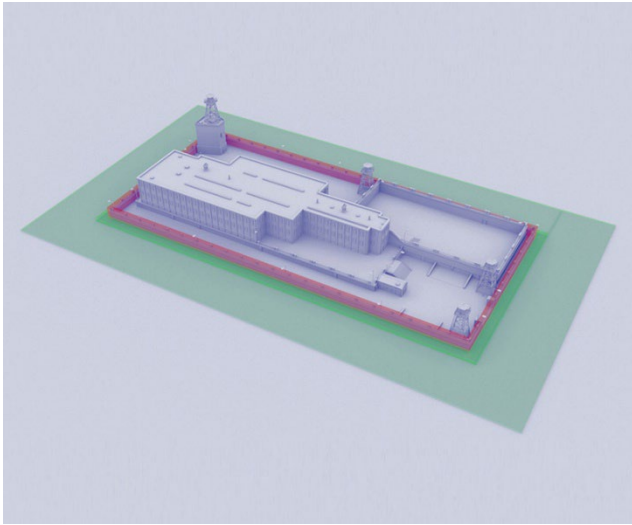
## Solution

- The zones are perfect for prison because they can be as high or as wide as the prisons would like. Even areas around prison can be guarded. It creates second layer of security like "invisible prison" if you would like to call.
- Inside or outside of prison zones or fences could be created which could cover every scenario. You can even create virtual net for drone detection to eliminate drugs distribution.
- Thanks to the zones there can be defined areas or routes which will be dedicated for personnel and guards, stepping out or in zones will trigger the alarm or not if security card is used.
- Every person moving in zone can draw invisible cylinder or box around itself let's say 2m wide so Accur8vision can trigger social distancing alarm. If number of inmates in zone is over some limit, then alarm could be raised too.

Prisons are in countries throughout the world. Is it possible for prison regulations to be safer? What is accur8vision can help in detaining inmates or protect inmates from being attacked from other inmates? Can drones be spotted before they drop paraphernalia to the inmates.

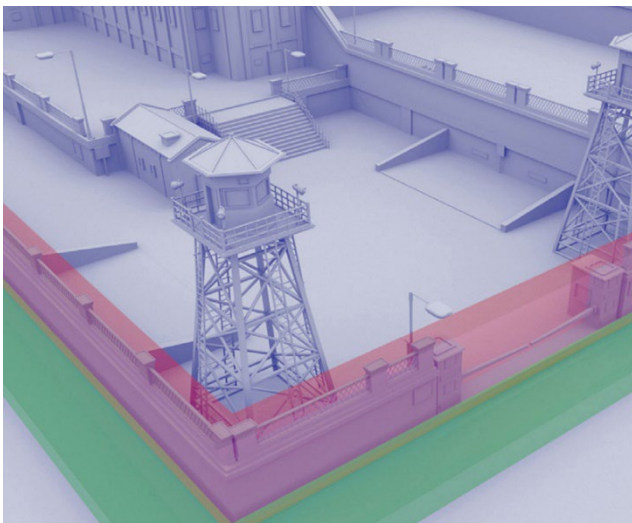
Accur8vision is a system that uses lidar technology. This technology allows for many different scenarios to play out. Because the lasers are spinning 360 degrees out into an open area it is possible to cover any distance between 30m to 300m. Using these lidars with accur8vision and security zones, it will be extremely difficult for anything to go undetected. Prison breaks? Not anymore. If an inmate is caught outside the perimeter and there is a security zone, the alarm will be activated. The security zones can have different threat levels. If there is an uprising within the inmate population and a certain number of people are involved, the threat level could be at severe which could then in return shut cell doors or lock down the area. There are many different ways to set up the zones.

## 1 | Protection along the outside walls

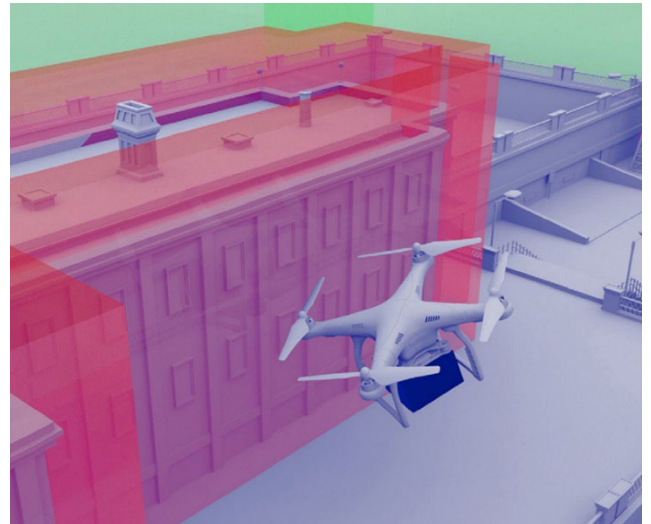


In this example regarding prisons, a security zone is placed around the outside of the prison walls. The zones are perfect for these situations because they can be as high or as wide as the prisons would like. These zones can help with a few scenarios.

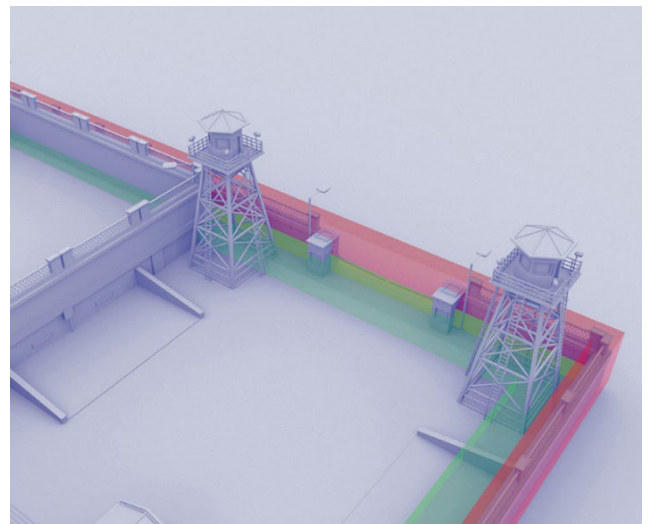
**First Scenario** – If an inmate is trying to escape it could be possible that the guards could lose track of them. Placing the zone around the outside of the prison allows for the alarms to be sounded as far as the lidar can see. This helps in convincing the inmates that they might not want to try and escape.



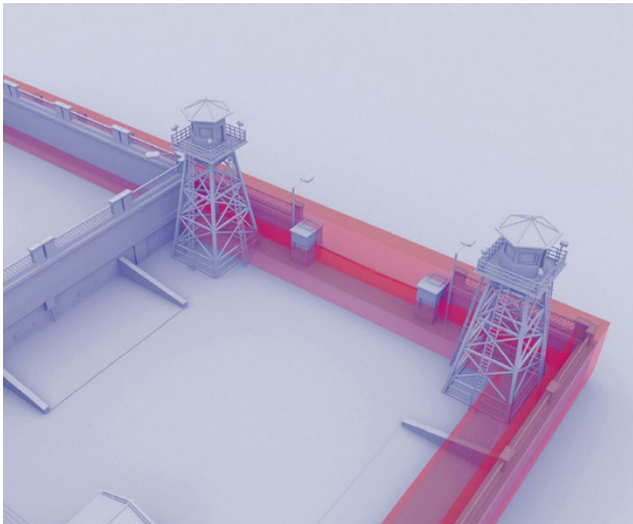
**Second Scenario** - If there is an issue with common people coming up to the fences or outside of the prison handing off items to incarcerated people, this zone could help prevent these matters from happening. The minute an individual enters a security zone an alarm is activated. The guards will be aware the minute someone is too close to the prison and/or fence.



**Third Scenario** - Drones. Drones are now a bit of a nuisance in many situations. One of those situations can be commoners bringing goods or contraband in for the inmates. It is not that difficult for the drones to drop packages in the courtyards or maybe even the hands of the inmates. With enough coverage from the lidars, it is possible to form a 'virtual net' per say which is then able to set off an alarm in the event of a drone entering the security zone.

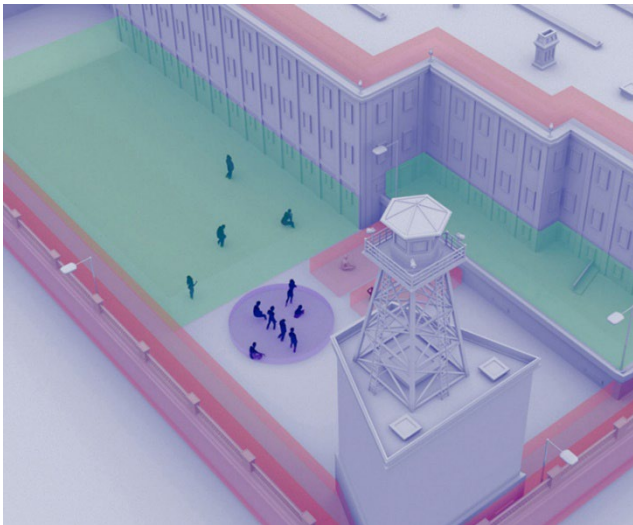


The red zones represent where the alarm can be activated. If the hallways are to be covered to make sure that the inmates don't escape or jump over the walls, these areas can stay red, so an alarm is still activated. The green zone represents where the guards or whomever can walk freely without activating an alarm. Different zones can be set for different times of the day. If the guards are not patrolling the area, the zones can be red zones through the entire area. If the guards are patrolling the area, the parts of the zones can be green zones so that no alarm will be activated if they are there. It is up to the client on how they would like to have the zones set up.

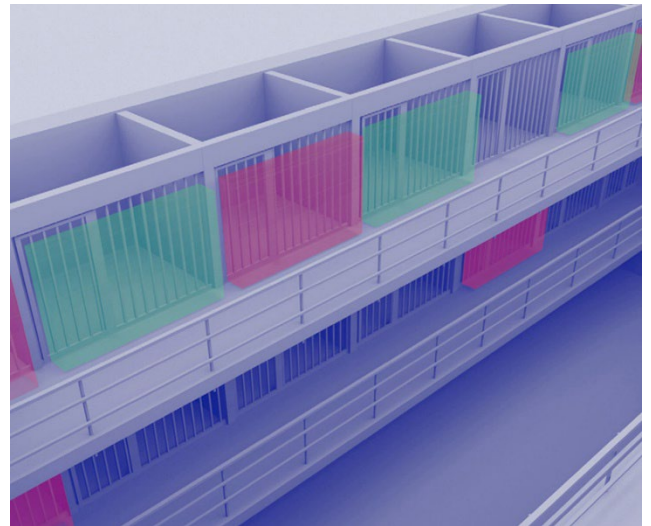


Another prospect is to have the entire area as a red zone and have guards be known as friendlies and have the inmates be known as hostiles. In this way the system will know if the individual is friendly (guard) or not (inmate).

### 3 | Inside the prison



**First Scenario** - Courtyards are a place where the inmates can hang out. If there is a courtyard inside the prison, the guards can activate and deactivate the zones for the times that the inmates are in the yard and the times where there should be nobody in the area. This way the guards can keep the areas secure when necessary. There is also a way inside accur8vision to have crowd control. If there are too many inmates gathering at one time, an alarm can be issued to alert the guards that they might want to pay attention to this area.



**Second Scenario** - Corridors and entries can also be safeguarded by accur8vision. The guards can either place security zones in front of the cell doors or they are more than able to secure the entire corridor. It is up to how the guard would like to have the area secure for that moment in time. This is another area where you can have the red secure zones and green free zones.

Accur8vision was found to be a positive source of security when it came to prisons. Guards and inmates were able to coincide together with less incidents. The possibility of keeping peace within the prisons are a great way to prevent riots and inkeeping both the guards and the inmates safe.