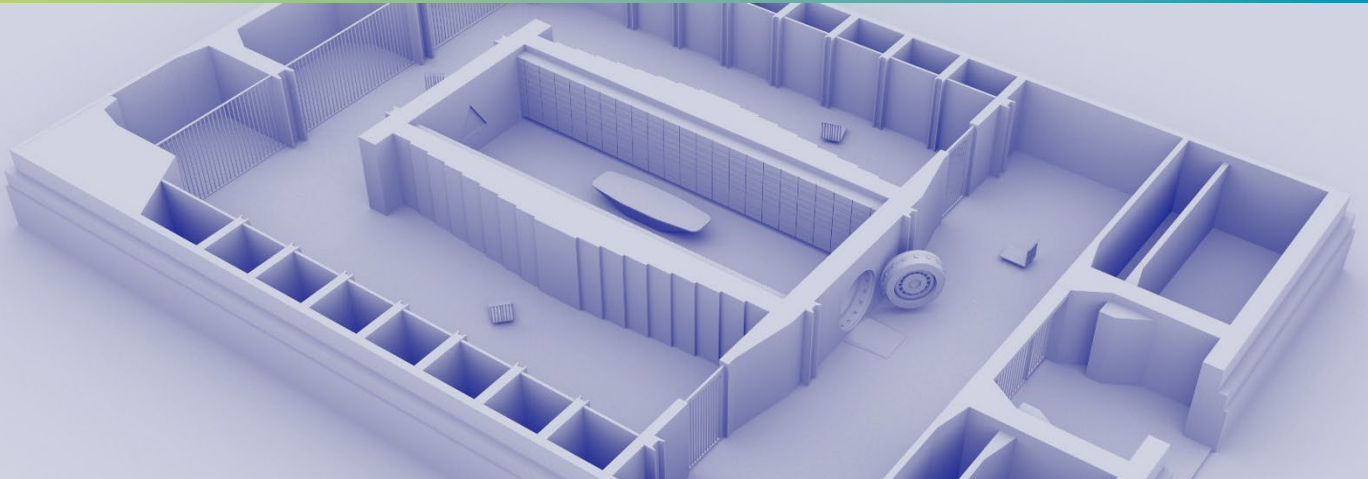


Banks

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

- Is it possible to secure outside and inside of the vault?
- What if the banks were able to care for their tellers as they would the money?
- Are all lidars the same? Which lidar is recommended for banks?

Solution

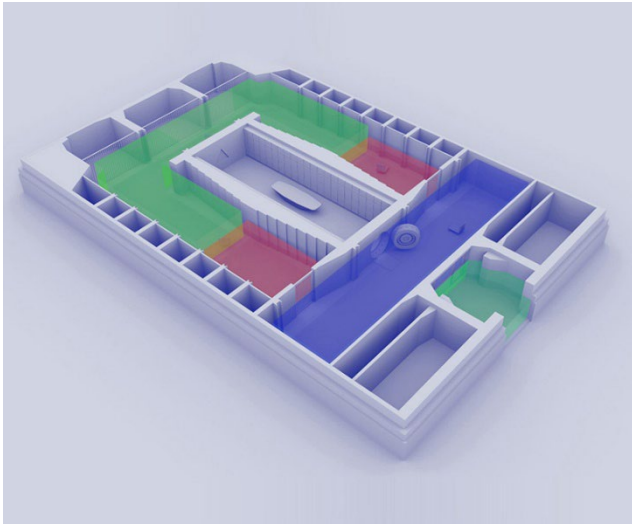
- Placing the lidar outside the vault can cover a certain range as well as in the inside. Depends on zone setting. For example, if an authorized person enters zone for employees, the alarm will not be activated and vice versa.
- Accur8vision can be a virtual safeguard that can set off alarms if anyone is too close or passes the barrier to where the teller is sitting.
- The BLK247 is a bit different from the standard lidars that are used in accur8vision. It provides a high-resolution scan of an entire area within seconds. This gives an optimal view of everything below the lidar also. There are no blind spots when it comes to the BLK247.
- Accur8vision can create invisible fences or entire secured area according to the bank policy wherever it is possible to mount lidar on the wall, ceiling or arm.

Banks are an essential part of the economy and people's life savings. Money is one of the most important tangible items in the world. Vaults and the main front cash area where the tellers are, are two main areas that would want to be secured in banks. The vaults are where the money is stored or where the private safe deposit boxes are where people store their most valuable possessions. To alleviate the security system already in place, volumetric detection could primarily help the police reach the bank before the vault is broken into.

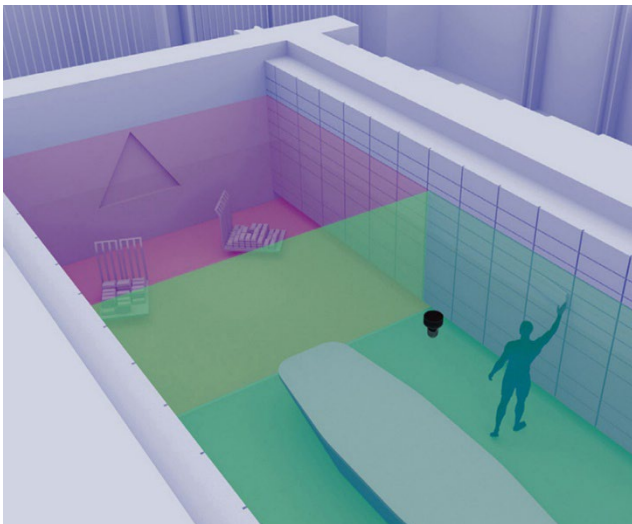
From the movies, most robbers know exactly what to do with the current security systems in place at banks. Many know how to avoid the cameras or infrared barriers but what if it was impossible to see the security system? Will the robbers know where the security zones are placed? No, which gives the advantage to the banks.

3D zones can be placed in the most secure area of the banks. It can be placed outside or inside the vaults. It can be placed individually in front of safe deposit boxes. It can be placed in front of doors or can be used as a type of 'shield' around the teller window. There are many possibilities when setting up the zone designs. The design phase of accur8vision is in your hands.

1 | Vaults



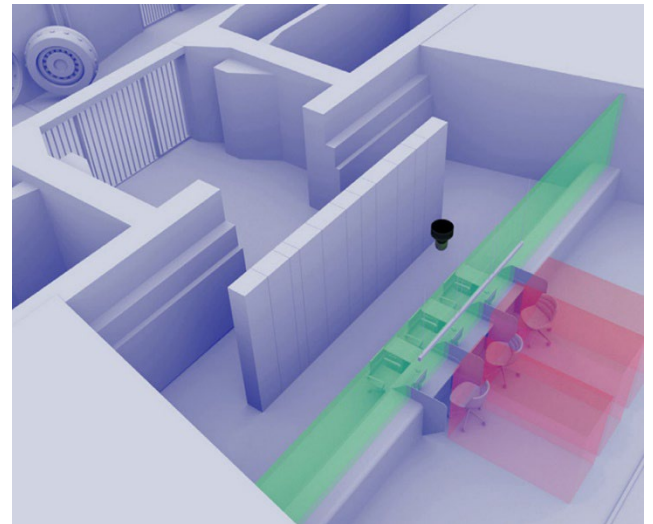
There are many different ways in protecting a vault using accur8vision and lidar. Placing the lidar outside the vault can cover a certain range depending on the type of lidar used. Lidars inside accur8vision can cover an area of 30m to 245m. Once the lidar is placed, security zones can be added around the door to the vault. These zones can have different settings to them. For example, if an authorized person enters this zone, the alarm will not be activated. If an unauthorized person enters this zone, the alarm will be activated. There are many different settings to the zones. A delayed zone where an employee can enter a pin or swipe a card in a certain amount of time will also not activate an alarm. If a person enters that zone and does not swipe a card or enter a pin in a certain amount of time an alarm will be activate. These are only a few examples of the zones that could be set up around or outside the vault.



Lidar can also be placed inside the vault to add an extra layer of security. This is another area of the vault that can be protected by zones. Many different scenarios can happen here with the use of zones like previously mentioned as the security for the outside of vaults. Delayed zones can also come into action inside of vaults.

If there is an employee working inside the vault, the pin or access card can be used. This will allow the employee to walk freely inside the vault. Excluded zones are another type of zone that can be used inside the vault. If there is one area where an employee needs to go, this area can be deactivated which means they can freely walk around in this area but nowhere else. This zone can also be activated when a customer needs access to their safe deposit box. A certain path or area can be cleared only to their specific safe deposit box. If they move from this specific path or area, an alarm will be activated.

2 | Teller Area



Another area of concern for banks could be the teller area where individuals go for cash. This can also be a target area for bank robbers and where they usually go first. What if the banks were able to care for their tellers as they would the money? Accur8vision, in some sense, can be a virtual safeguard that can set off alarms if anyone is too close or passes the barrier to where the teller is sitting. Because of this, a very slim zone can be placed along the glass front or bars of the area where the teller is at. If an individual comes too close to this section an alarm can be activated, and the operator or guard can pay more attention to this area. If it is a bank robbery, the bank robber would have no idea that they had triggered an alarm. This allows the operator or guard to silently activate an alarm and notify the police.



Which lidar is recommended for banks? The BLK247 is a bit different from the standard lidars that are used in accur8vision. Most lidars inside accur8vision have a beam distribution that never changes and rotates 360° from the same spot. The BLK247 also rotates 360° but each rotation is slightly shifted so that it starts at a slightly different spot for each rotation. This provides a high-resolution scan of an entire area within seconds. This is a major plus for on demand scanning and because of this it is not always necessary to prepare a 3D map. Not only does it rotate 360° horizontally but it also rotates 240° vertically. This gives an optimal view of everything below the lidar also. There are no blind spots when it comes to the BLK247. Along with the lidar, the BLK247 comes also equipped with two 12-megapixel cameras and four thermal cameras.

Using accur8vision to secure banks is not only bring a peace of mind to the bank but also to the customers and employees themselves. Safeguarding people's valuables is something that most customers, especially bank customers, are searching for.

Using lidar and security zones maintains a safer environment for employees and customers alike. Not only can it be used for security purposes, but it can also be used for safety purposes.