1. **Camera Recognition**
2. **Temperature sensors and regulators**
3. **Delivery Robots**

STORY TIME
There's a fire in the building. The embedded infrastructure broadcasts all the occupants of the situation and automatically intimates SCDF and emergency services. The robots are mobilised to deliver emergency equipments (This is made possible by IoT that allows robots to navigate it way through buildings with otherwise restricted access).

Ideas:
1. Rerouting Public
2. Make way for emergency services
3. Modify autonomous robots to deal with emergency services
   a. Fire extinguishers, loudspeakers for announcements
   b. Facial recognition for terrorist threats
   c. Dispense first aid
4. Diversion of bus services to move people away from disaster
5. Color lights based on quickest route to safety.
6. IoT also calculates in backend the ideal evacuation point/ assembly areas to direct the people to, depending on realtime data.
7. Use cameras to provide realtime video of smoke/ fire situation to the authorities. Additionally can employ This can help them locate people stuck in building fire.
8. Activation of Community First Responders to help guide the public

How might we leverage a network of smart infrastructure in the built environment to make better and more timely sense of emergency incidents (eg. detection of fires developing, building collapsing, falls, road accidents, etc.) and to trigger early intervention measures, without need to activate precious emergency resources?

To fulfil its roles, the SCDF has established 4 systems to cater to Singapore's emergency needs -
1. Warning
2. Protection
3. Rescue
4. Command, Control and Communications.