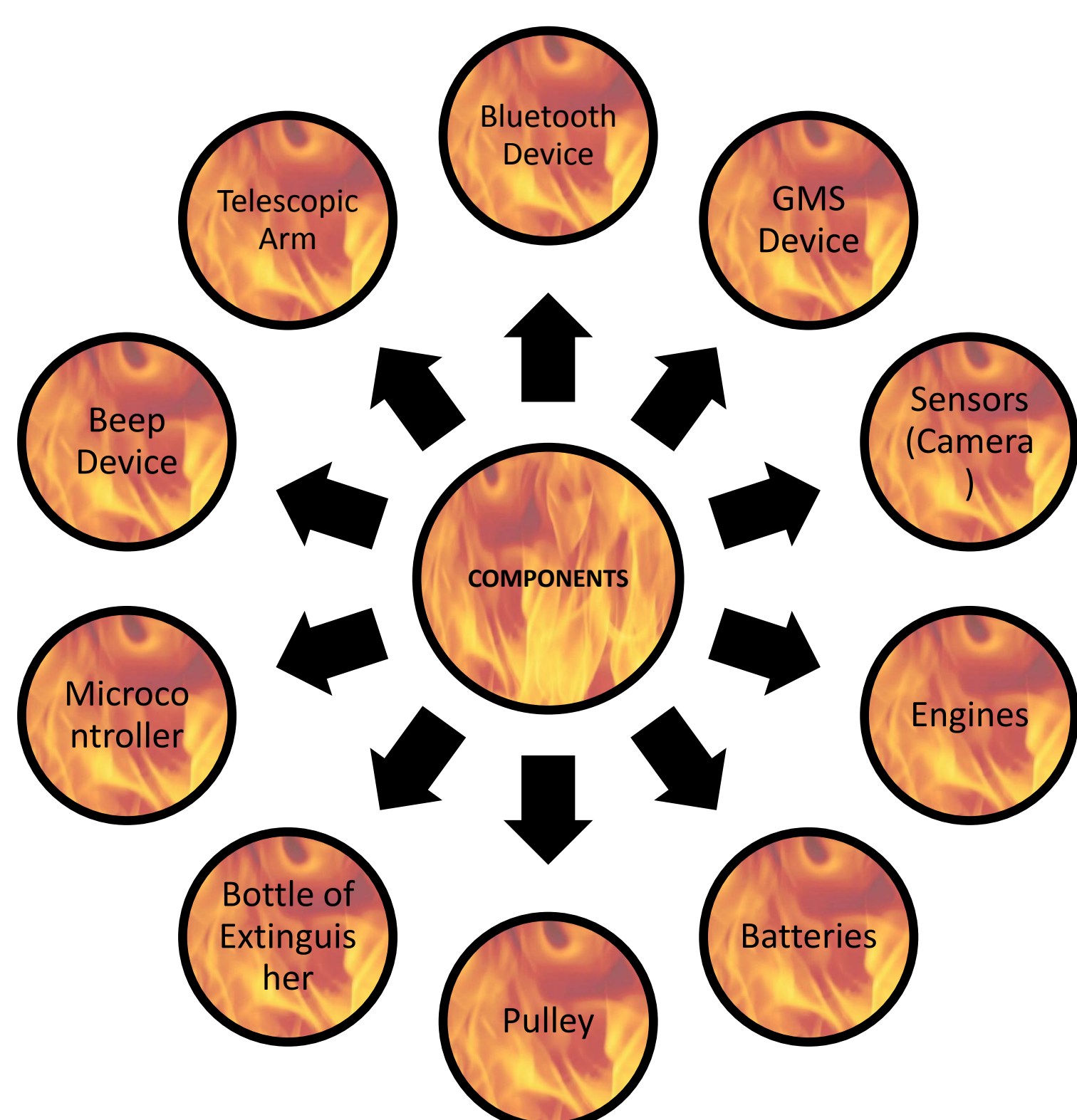


Description

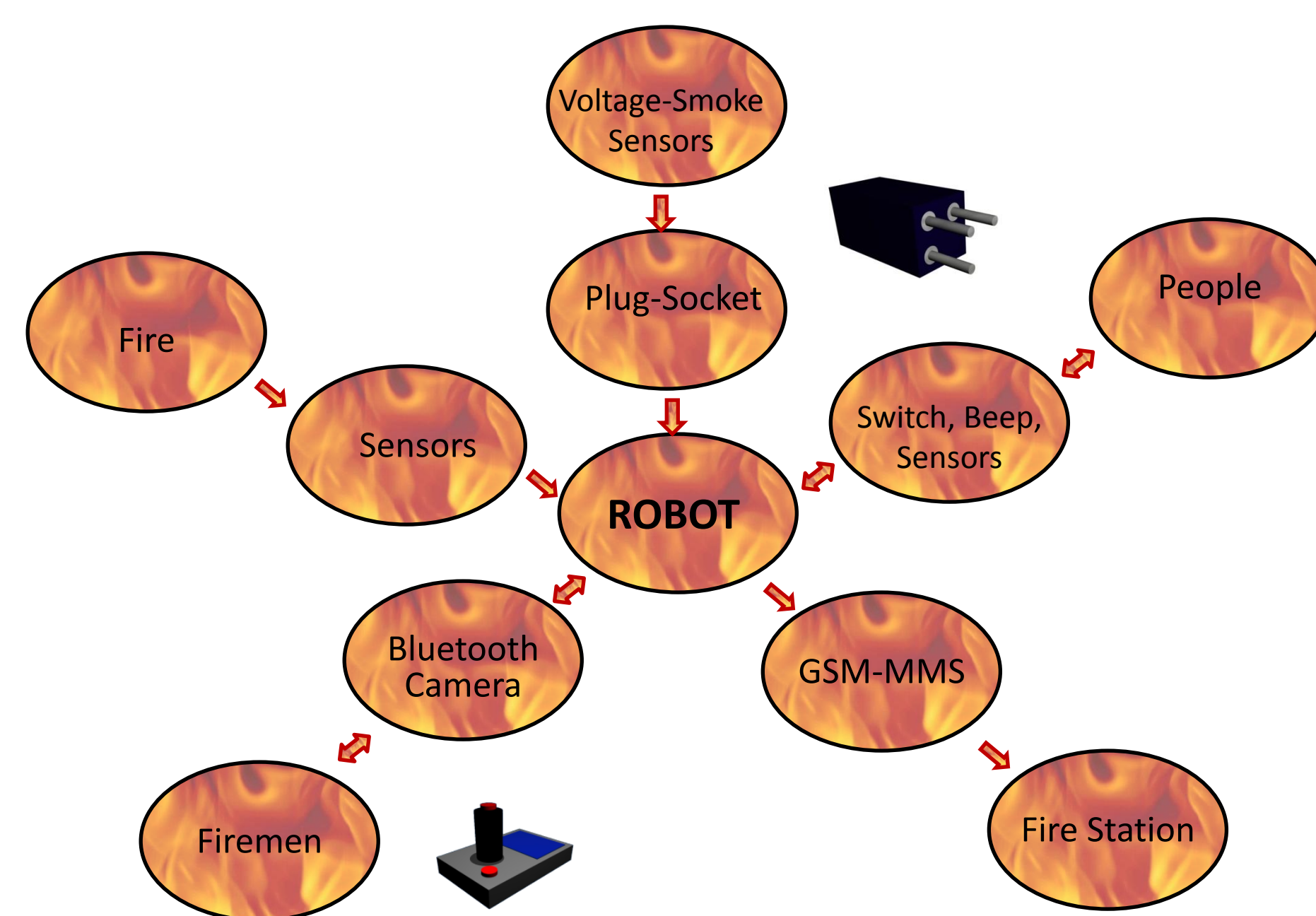


- The task is a monitoring of the room and a detection of the fire.
- The robot waits in its base position for the signal from smoke detectors. In this base position it is connected to electricity charging its batteries.
- When the signal from smoke sensors appears, the robot notifies people with beep signal. People can cancel the procedure of the robot pressing the stop-button.
- Robot makes pictures of the room and sends it to the fire station.
- The robot moves to the flame. The arm can move up and down, so the robot can estimate the best position for the use of the extinguisher. It also can turn. After arriving to the fire it uses the extinguisher and tries to stop the fire.
- Firemen can control the robot and take pictures.

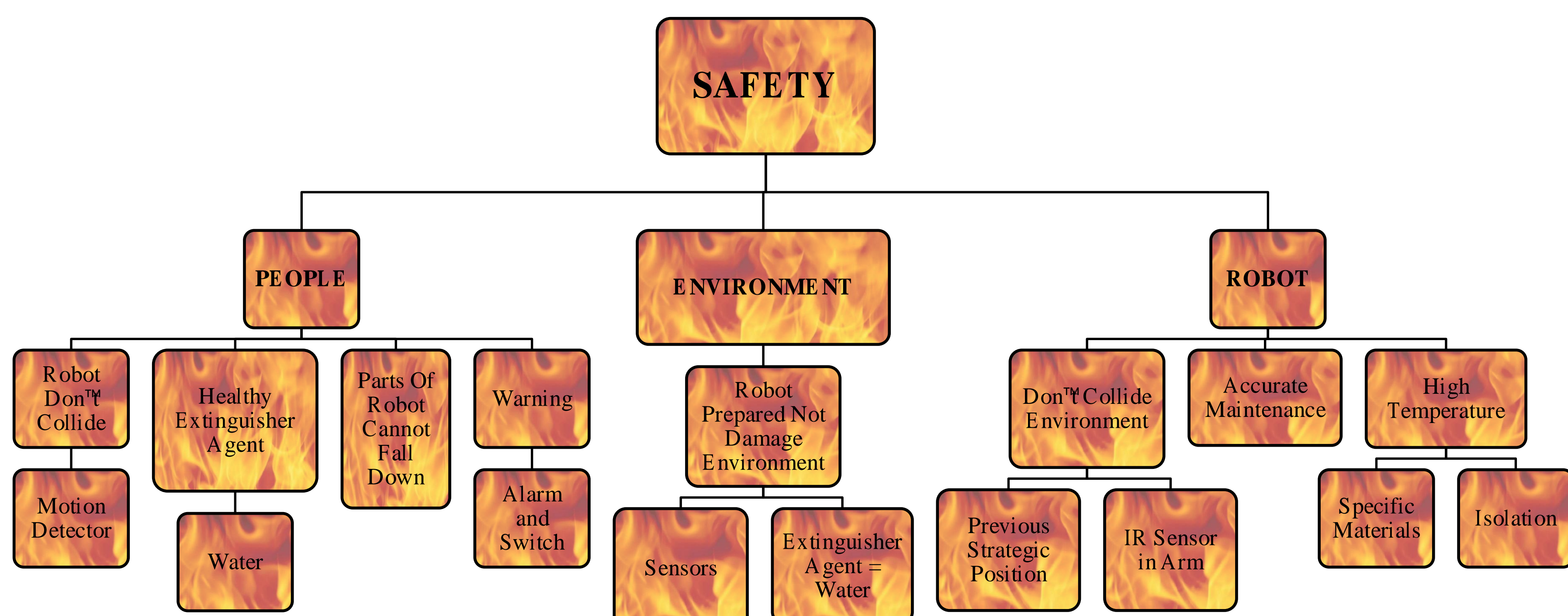
- We use smoke and heat sensors for the detection and localization of the fire
- The robot is equipped with a plug with three pins: two for voltage and one for communication with the smoke sensors
- The message sent by the robot to the fire station contains pictures about the situation and the address
- Each robot has a specific password (security), only firemen can control it via Bluetooth



Communication



Components and Safety



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