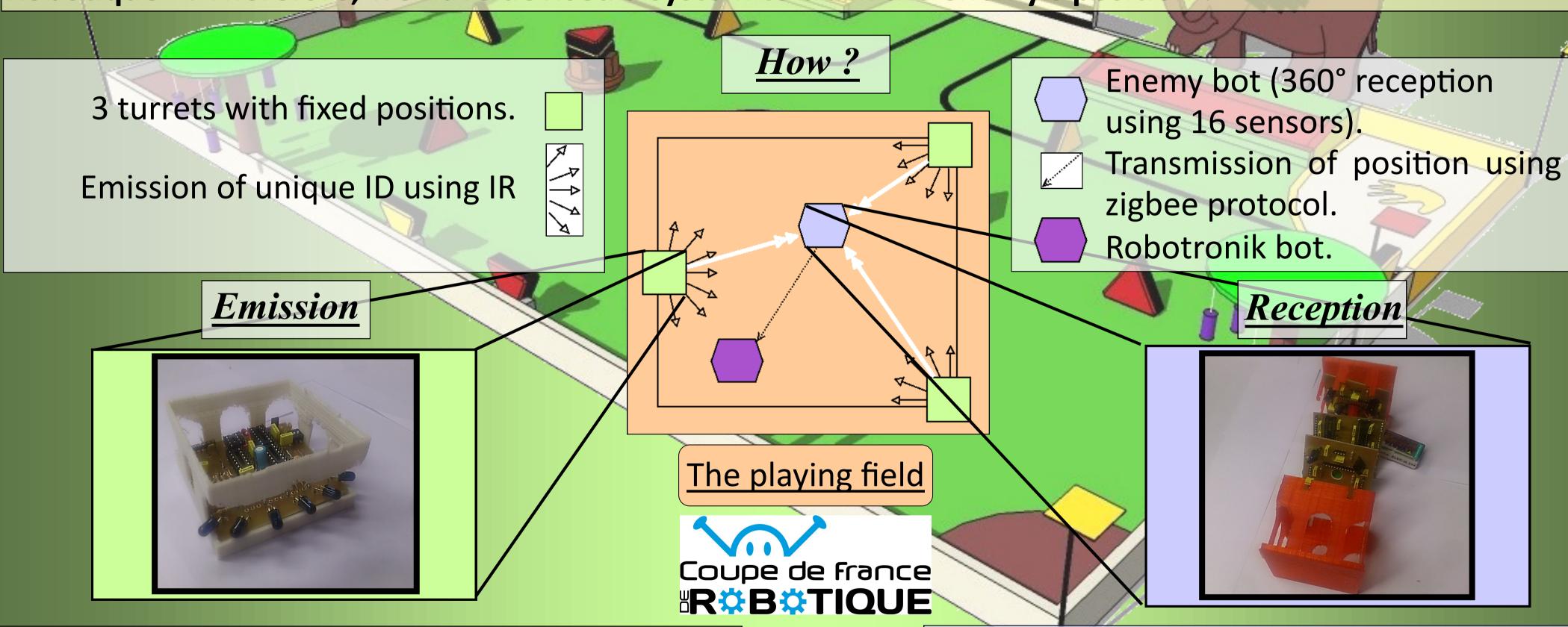


## PROJET N°6 TRACKING THE POSITION OF ROBOT



Why?

The Phelma Robotronik Club needs to know the enemy robot's position during the « Coupe de France de Robotique ». Therefore, we have devised a system to track the enemy's position!



- 1.The microcontroller (PIC) generates the ID and the carrier.
- 2. The IR LED emits the unique ID (one per turret)

- 3. The IR signal is picked up by 16 IR receivers
- 4. The position is calculated by the PIC
- 5. The position is transmitted by an Xbee