



# Yōkobo

## Program Manager

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Key tray

welcoming



Intrusion detection

House atmosphere's status

## Purpose

Yōkobo, is what we call a robot: an everyday object of sensitive presence. A trinket bowl placed at the entrance of homes. It expresses itself and its environment only through motions and lights.

## Project Scope and Details

1. A Behavioral Object:
  - The robot wakes up whenever someone enters the room.
  - Its movements and expressions will then emulate the atmosphere inside the home, using temperature, humidity and air-quality sensors.
2. House Key tray:
  - Each family member has his own key ring, which can be used to recognize who is entering the home, without the need for facial recognition.
  - Thanks to its RFID chip, Yōkobo knows whom the set of keys belong to and will act accordingly.
3. Intrusion detection:
  - Yōkobo detects the presence of an intruder and performs a specific animation to alert the user. Then, it makes a phone call to his relative to warn him about the presence of a malicious act.

## Partnership

Digital Research Center of Sfax  
(CRNS)