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CoaCo: Cold Drink Fetcher

Mission

- 1) Look for cans
- 2) Differentiate between cold (good) and warm (bad) cans
- 3) Move the warm can over to the bin
- 4) Loop to step 1)



Design

Perception

- Thermal camera
- Raspicam





Decision

Raspberry pi



Actuation

- Motor: Control wheels
- Gripper





Features

Can Detection



AruCo detection



Thermal imaging



Timeline

20/2 27/2 6/3

Introduction

Basic Functions

- · Driving and grabbing
- Reading the cameras

Next-level functions

- Orientation
- Can detection

Integrate

Test

13/3 20/3 27/3 3/4 27/4 8/5