Class Dependency diagram

Robot

- front speed: double
- turn speed: doubl
- sleep duration: double
- collision threshold: double
- path clear bool
- + obstacle detected: bool
- + turnRobot(): void
- + stopRobot(): void
- + readLidar(laserScan): void
- + initiateRobot(): void

PressureDetection

- ahu pressure: double
- boiler pressure: double
- chiller_pressure: double
- ahu low pressure: double
- ahu high pressure: double
- boiler low pressure: double
- boiler high pressure: double
- chiller low pressure: double
- chiller high pressure: double
- + pressureCallback(): void
- + detectAHUPressure(): float
- + detectChillerPressure(): float
- + detectBoilerPressure(): float
- + incorrectAHUPressure(float, float): bool
- + incorrectChillerPressure(float, float): bool
- + incorrectBoilerPressure(float, float): bool