

# MOBILE ROBOT

## HARDWARE

PROBIT (PROBIT INTERFACE)

FLOW CONTROL OVERVIEW (MAIN NODE + MES CLIENT)

## SENSORS AND DATA PROCESSING

CAMERA PROCESSING (QR + LINE DETECTION)

LIDAR PROCESSING

COMBINED ODOMETRY (WHEELS + IMU)

## NAVIGATION CONTROLLER (SKILLS, GRAPH, AI)

RELATIVE NAVIGATION

LINE NAVIGATION (QR + LIDAR + RELATIVE)

FREE NAVIGATION

## TIP CONTROLLER

## SAFETY

INCIDENT HANDLER (DEADMAN + CRITICAL FAULT)

OBSTACLE DETECTOR

## HMI

WEB

BUTTON

ROS SERVICES