

TEAM 11 ELSA2020 Capstone Design

김다훈 김선필 배한울 윤찬우 김명수



실내 길안내 로봇

TEAM 11 ELSA 2020 Capstone Design

김다훈 김선필 배한울 윤찬우 김명수

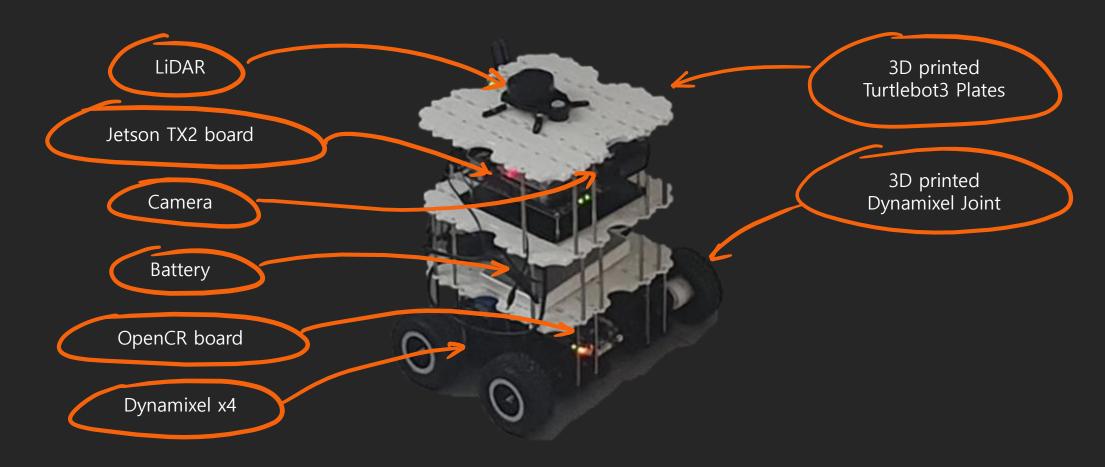


진행 사항

1. 하드웨어

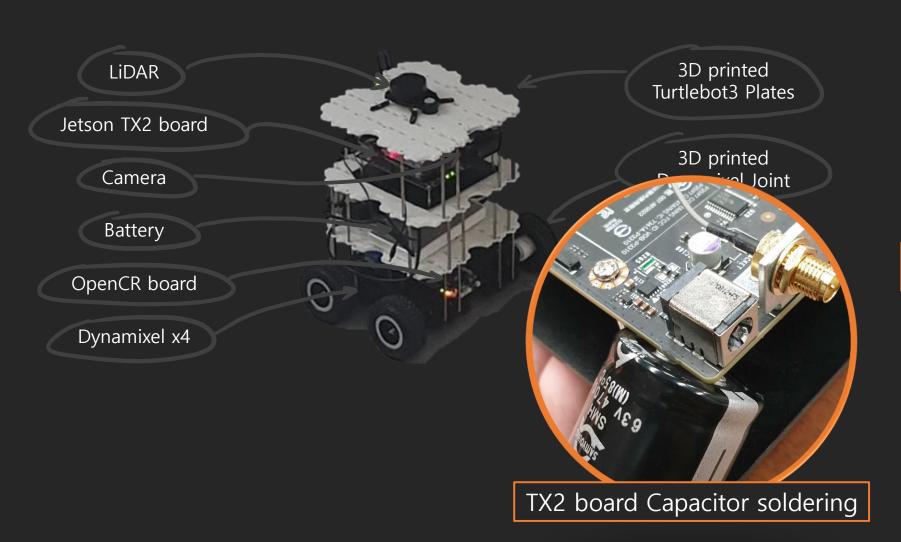


OLAF 1. 하드웨어





OLAF 1. 하드웨어



E/C 63V 4700UF (85°C) LUG 타입



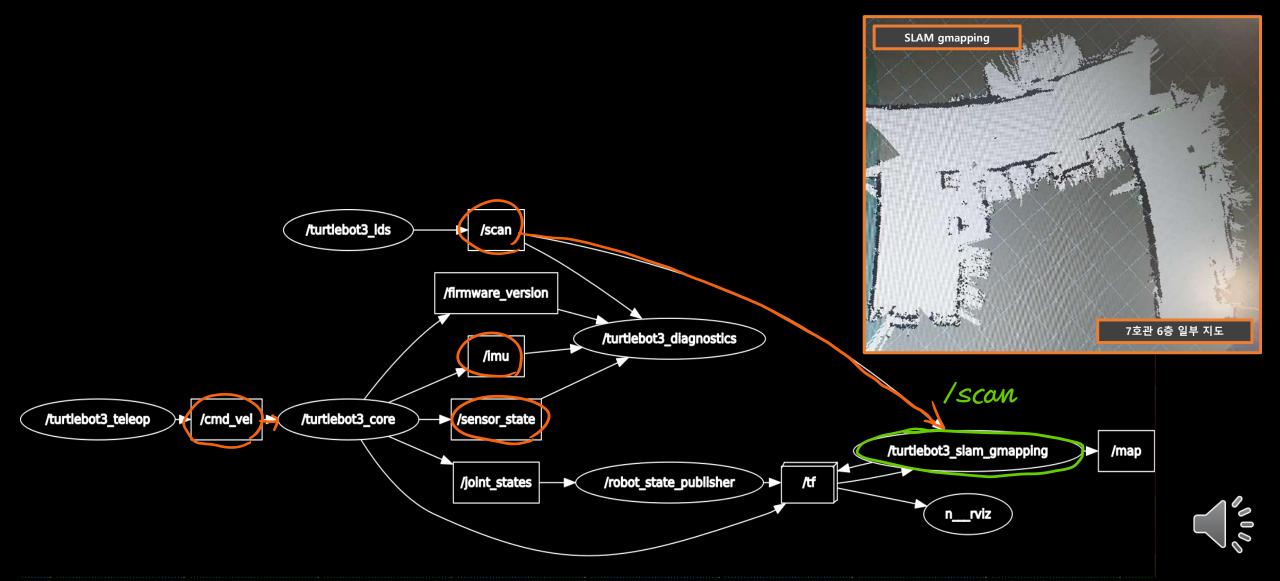


진행 사항

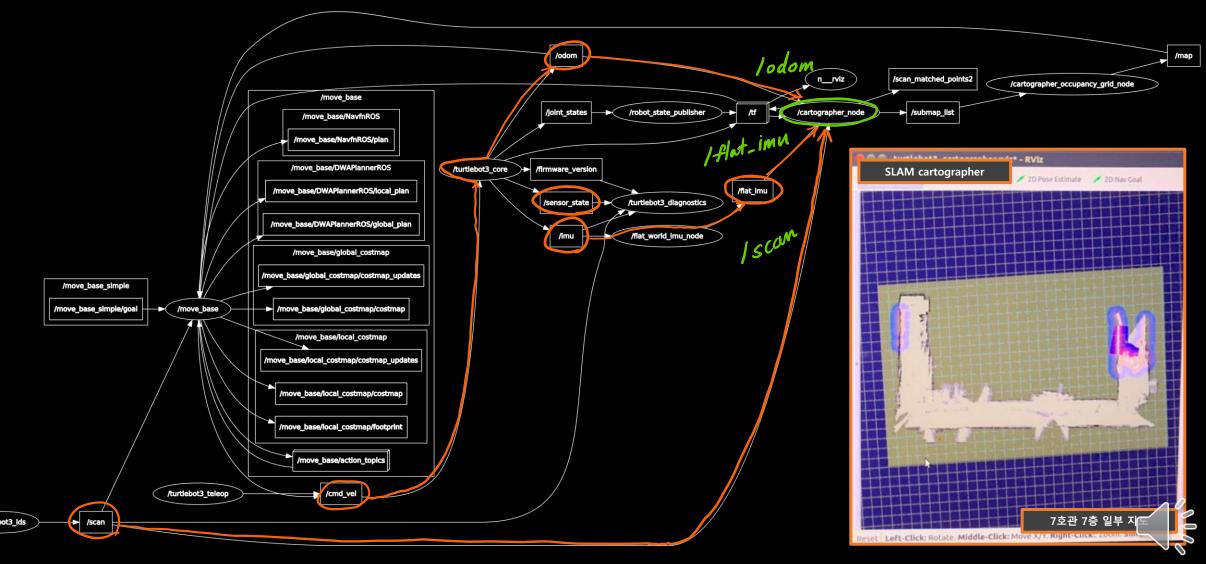
2. SLAM



OLAF 2. SLAM: gmapping



OLAF 2. SLAM: cartographer

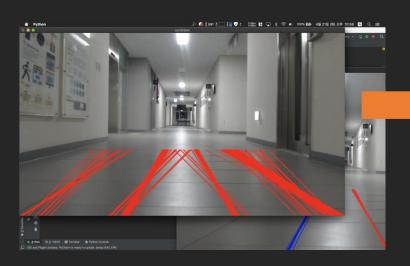


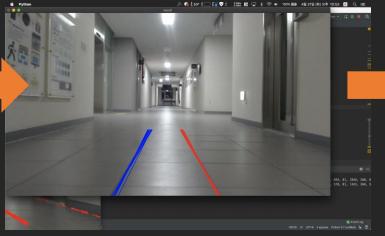
진행 사항 3. 영상처리

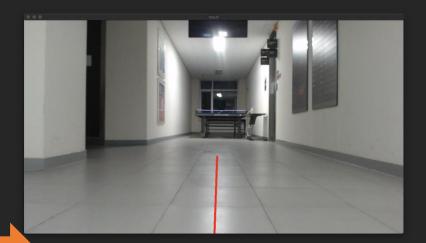


OLAF 3. 영상처리

직진 보정을 위한 바닥 타일 선 인식







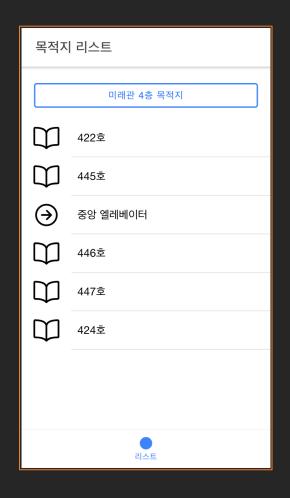


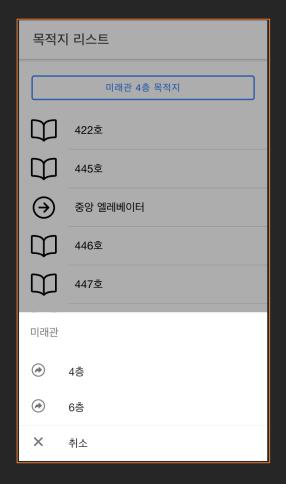


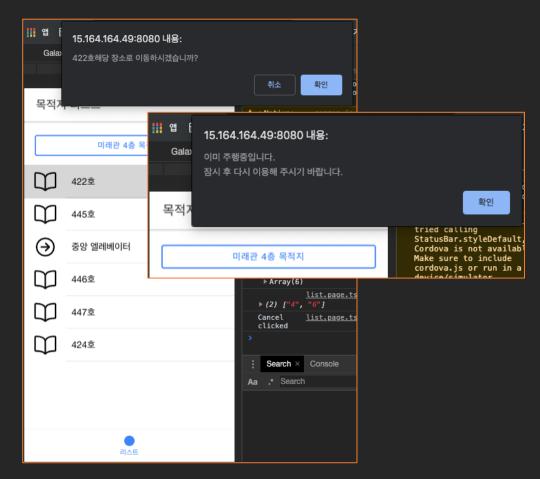
진행 사항 4. 사용자 입력



OLAF 4. 사용자 입력









향후계획



1. 서버

2. 알고리즘 구현

3. 영상처리를 사용한 보정





Thank

