



Company Profile

About Us

R&D Projects

KOSGEB R&D Project - Offline Programming of Industrial Robots
Completed - 2018

TUBITAK funded projects

- Vision Based Localization System- Completed - 2020
- Visual Inertial Navigation System - Completed - 2023

TUBITAK International R&D Project - Development of Autonomous Warehouse Multi-Robotic System (Completed - with Academic and Industrial Partners)

KOSGEB Product Development Support - Vision Based Localization System (Completed)

Digital twins' generation methodology for road safety based on real time vehicle information (EU Cascade Fund Target-X - Started in 2024 October)

- Ongoing R&D Projects- Engineering Support for Various Clients



Vins RTK – Visual Inertial Navigation System



V-Loc – Vision Based Localization System



ABOUT US



Background

Team of 4 Engineers



Global

Local and Global Customers

- UK & Germany

Partnerships in Turkey & Abroad
for fields of activity



Excellence

Customer feedback on
Engineering - R&D activities

Co-Founders



Berk TURANLI

ITU Mechanical Engineering B.Sc

Politecnico di Milano Energy Engineering M.Sc.

- Thesis on Energy Storage Applications
- Project Management for R&D and Industrial Projects
- Design & Manufacturing
- Business Development



Mert TURANLI, PhD

ITU Control Engineering B.Sc

ITU Control & Automation Eng. M.Sc.

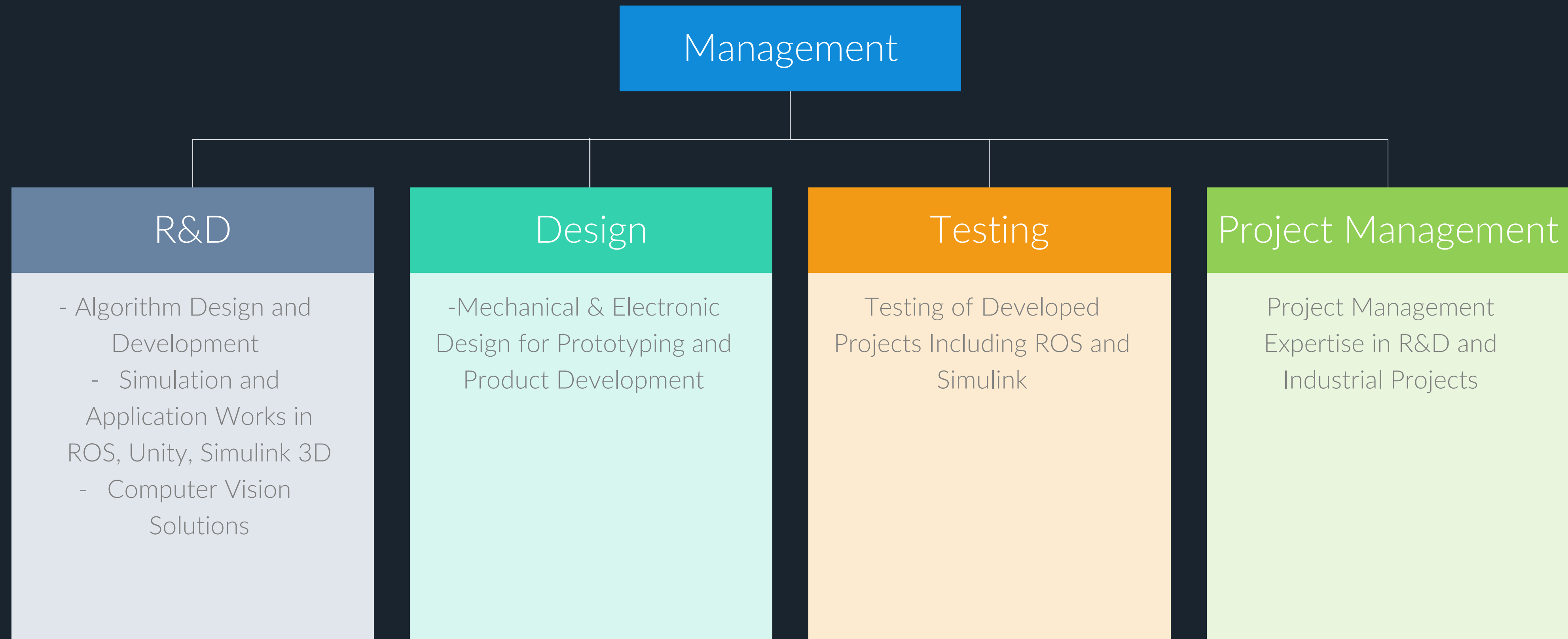
Thesis on Multi Robot Coverage Control

PhD. on Multi Agent Collaboration Algorithms

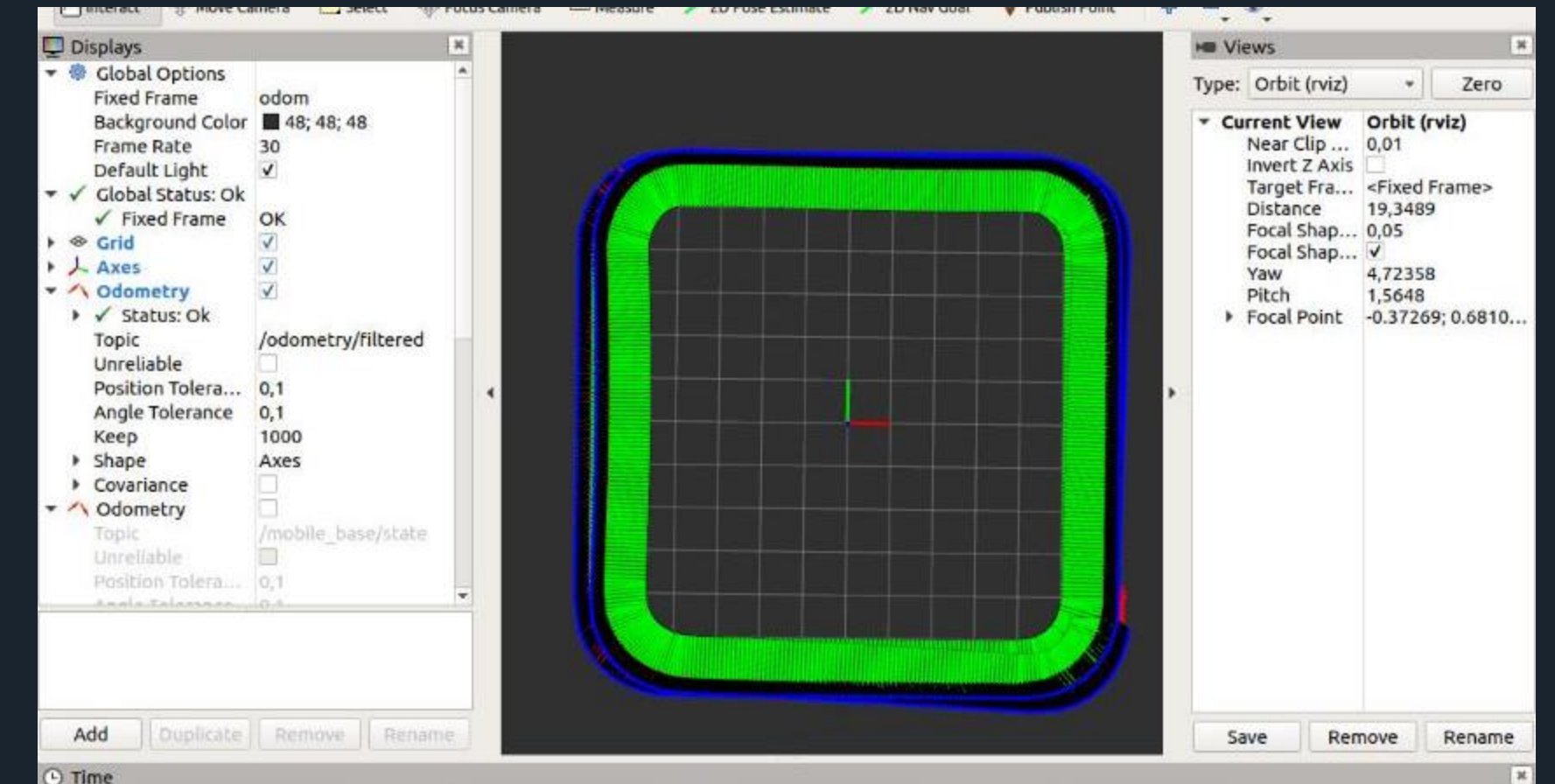
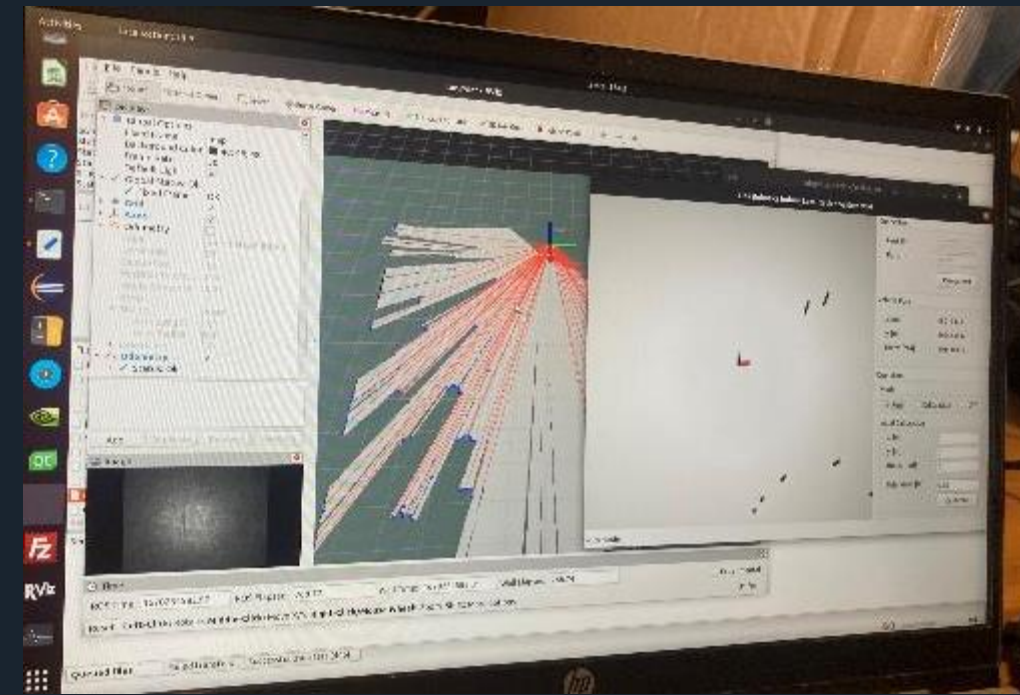
Various National & international publications

Advanced in ROS development in C++

Link Robotics - Organization Chart

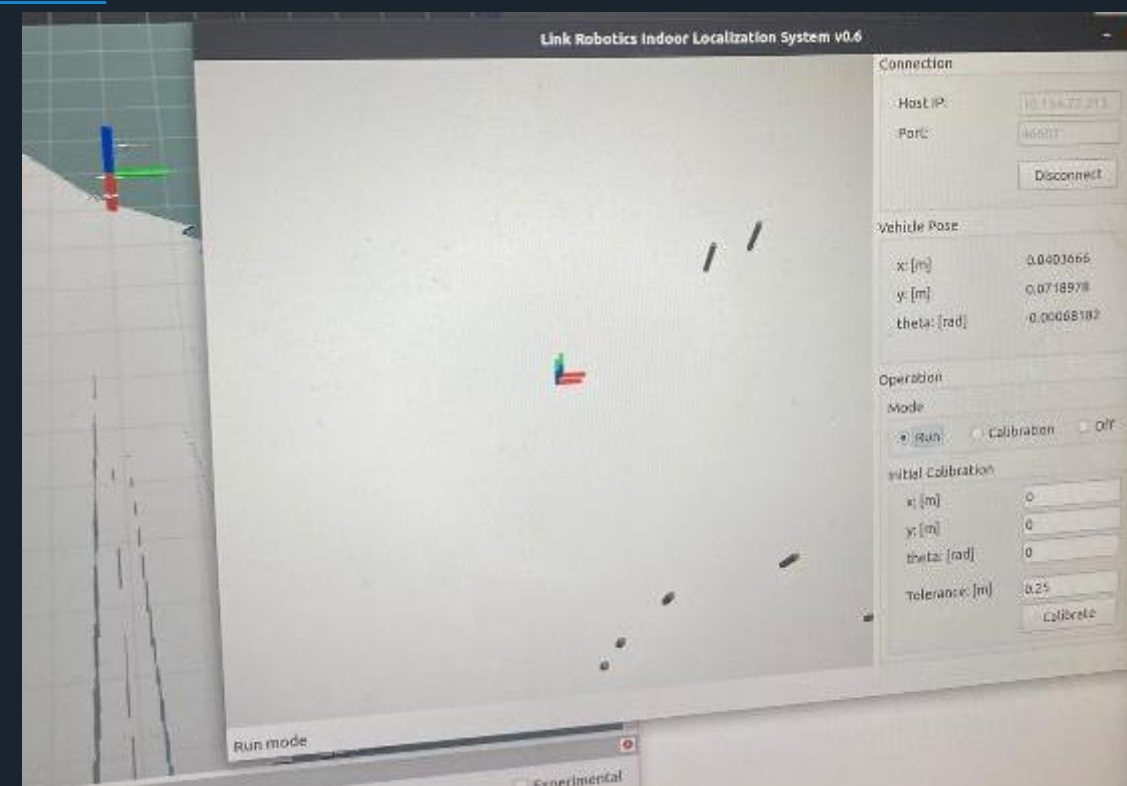
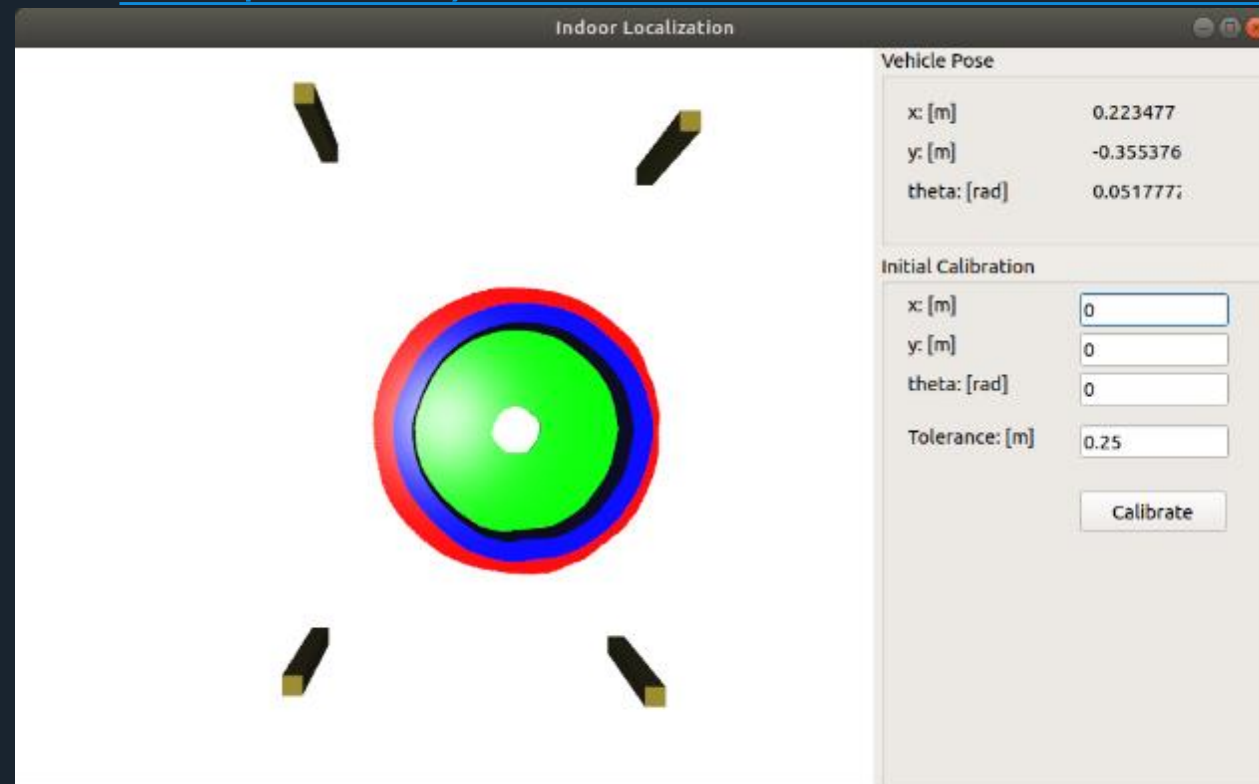


Vision Based Localization System – V-Loc



Integration and Proof of Concept for
Arcelik AGVs within a private 5G Network

– <https://youtu.be/QVJTt39qfFw>



Graphical User Interface

V-Loc Enclosure and Prototype

Deployment Video <https://youtu.be/tmGzk-GRbgU>

Visual Inertial Navigation System – Vins RTK

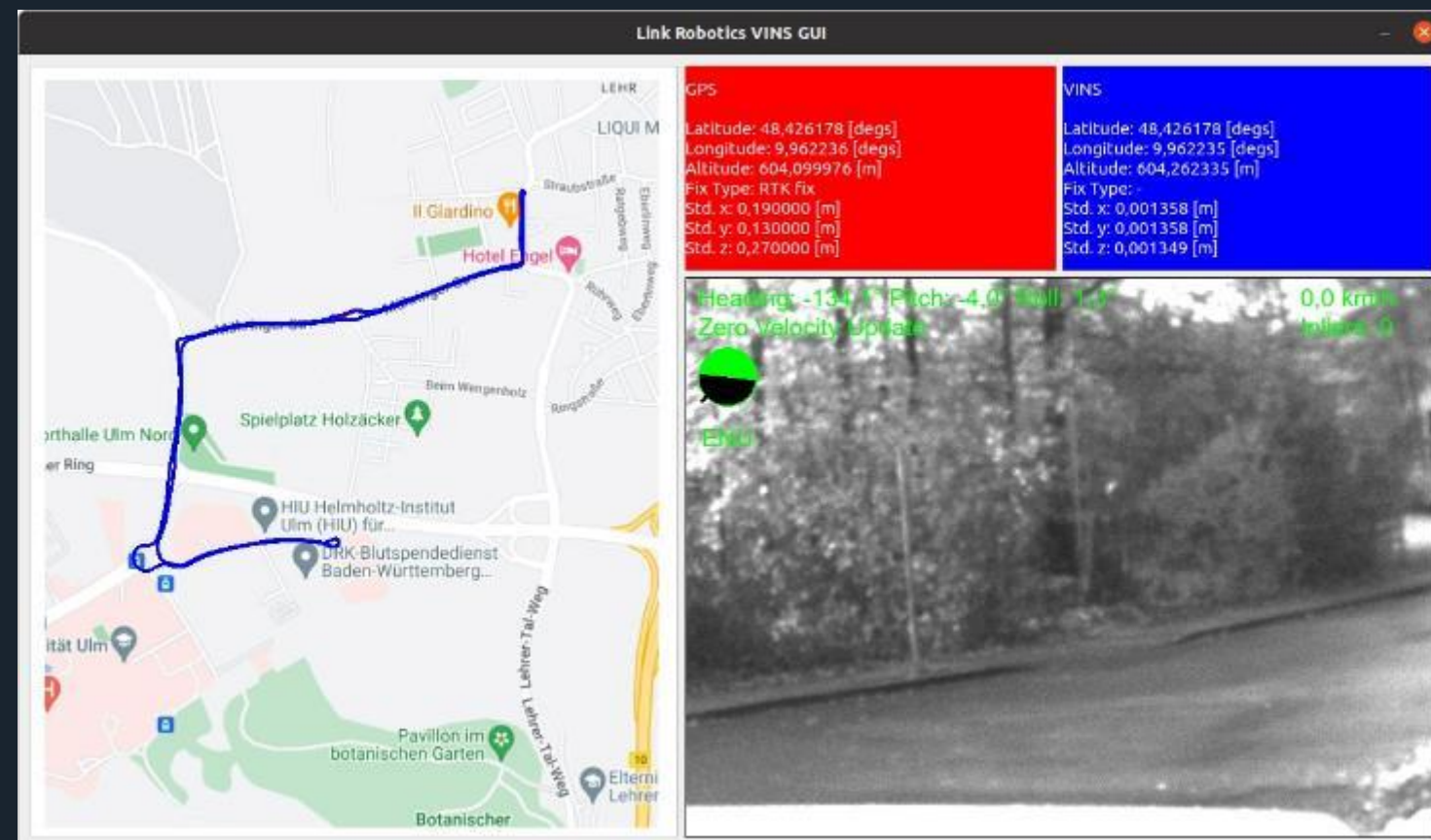


Proof of Concept for Version 2.0 is maintained in Ulm/Germany in Nokia R&D Center in Nov 2023 and rewarded by 5G-IANA consortium
Video:

https://www.youtube.com/watch?v=AqS_UAbFk3w

Validated in Real Environment – Urban Traffic and Indoor Parking Lot in Relative Mode

Proof of Concept completed in Riga/Latvia in May 2023 on an Autonomous Vehicle Platform



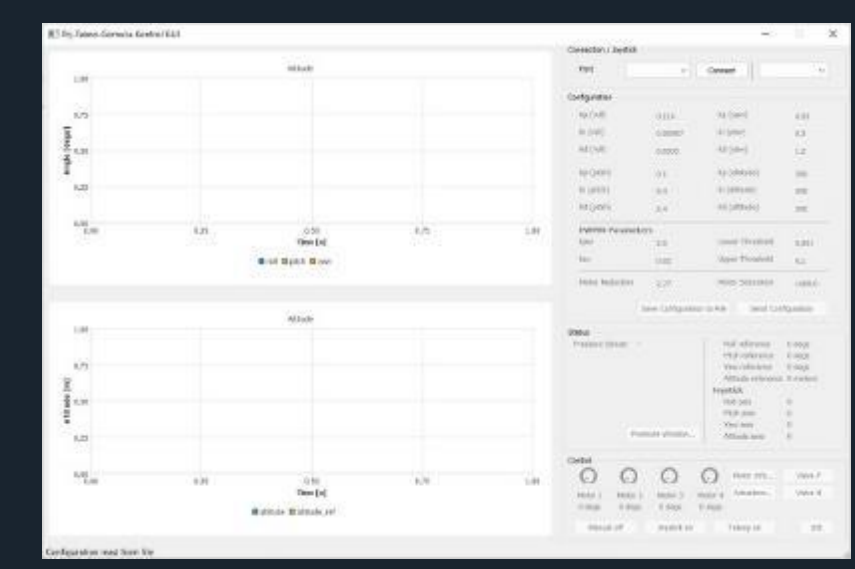
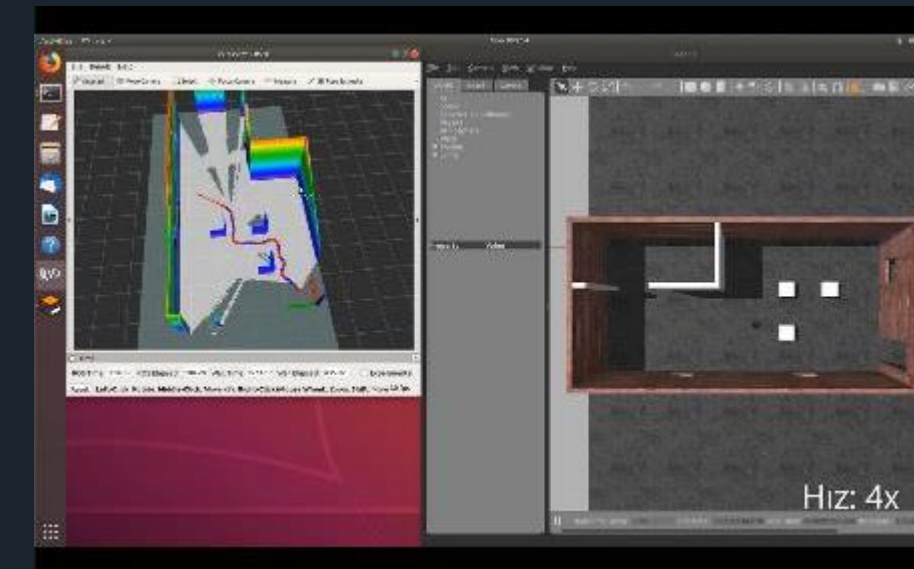
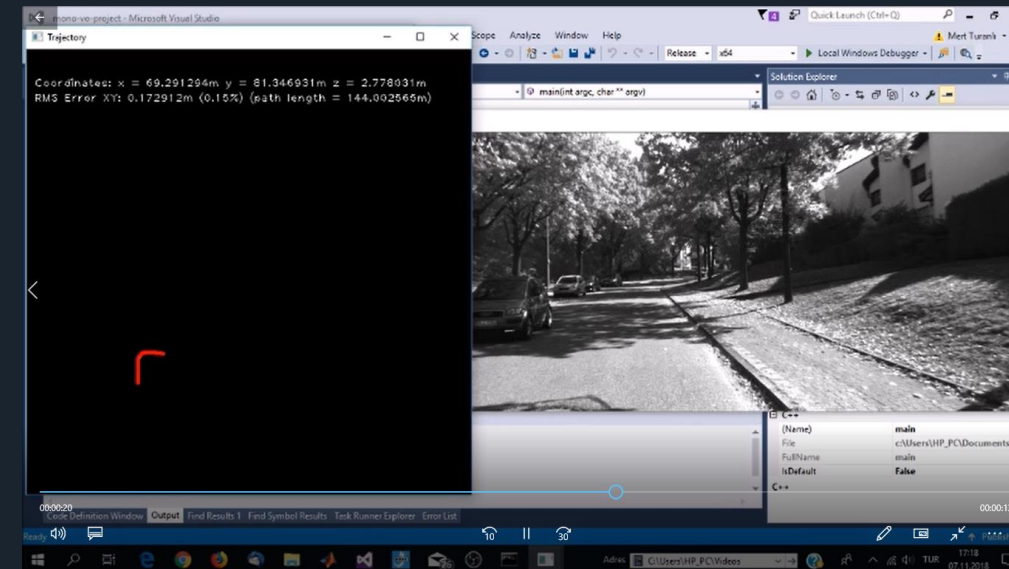
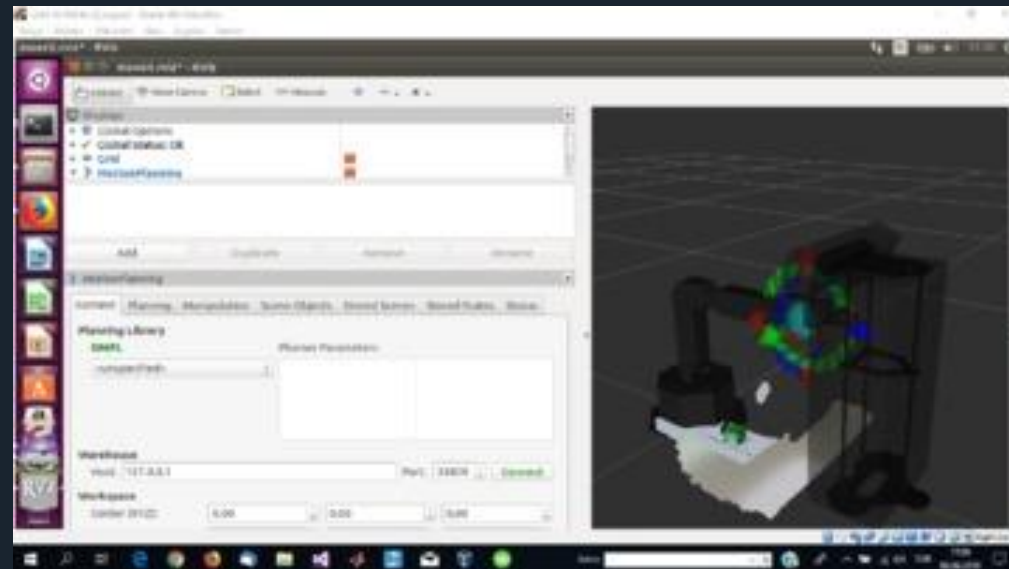
Graphical User Interface

Demo Link

<https://www.youtube.com/watch?v=O6j05mVAaUM>



Capabilities



Competence in ROS

ROS, ROS#, Gazebo, MoveIt
Simulation and Real Time Experiments

Computer Vision

- Visual Odometry & Visual Inertial Odometry
- Stereo Vision - Pose Estimation
- Object Recognition - GPU Accelerated Systems

Mobile Robots

- Autonomous Navigation - Landmark Localization, - Trajectory Planning
- Sensor Fusion

Unmanned Vehicles

- Low Level Control Software
- Visualization and Graphical Interface
- Electronics / Avionics



Link Robotic Technologies

Ataturk Cad. Osman Nuri Ergin Sok.
No:12/3 34734, Kadikoy/Istanbul/TURKIYE

Bilisim Vadisi Technopark - Muallimkoy Mah Deniz
Caddesi A1 Blok 2. Kat – Floor No: 18 Gebze/Kocaeli

Raiņa iela 81 - 59, LV-2016 Jūrmala/Latvia

info@linkrobotics.tech

www.linkrobotics.tech

Tel: +90 216 386 58 27

Contact Person:

Berk TURANLI

berk.turanli@linkrobotics.tech

Tel:+905324208120