

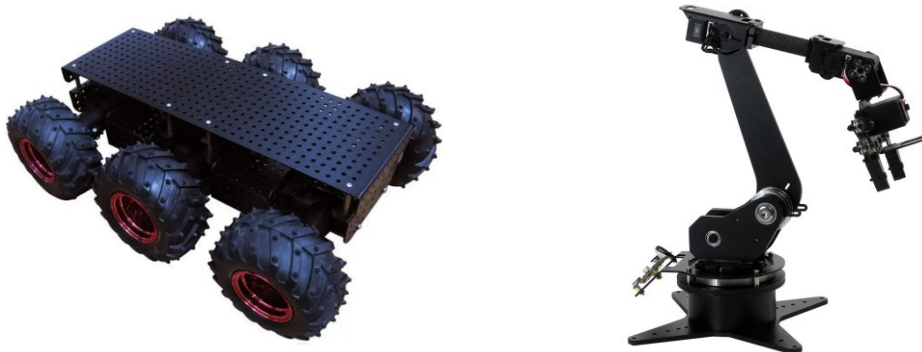
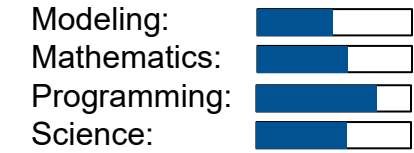
RoboConstruction: Real-time interaction of BIM and robots on construction sites

Task

Develop a technology for real-time interaction between BIM and robots on construction sites. The aim is to support construction site logistics by auto-nom driving robots which transport freights onsite.

- Literature Review to identify state-of-the-art methods for robotics on construction sites
- Research on Equipment and tools for BIM, robotics and their interaction
- Collect data for infrastructure models
- Enrich model with process relevant data
- Implement algorithms that perform the described task

Project Characteristics



Sources:

<https://www.berrybase.de/waveshare-roarm-m1-5-dof-desktop-roboterarm-set-mit-esp32-wifi-uart-edelstahl-greifer>

<https://eu.robotshop.com/de/products/dagu-wild-thumper-6wd-all-terrain-chassis-schwarz-751>