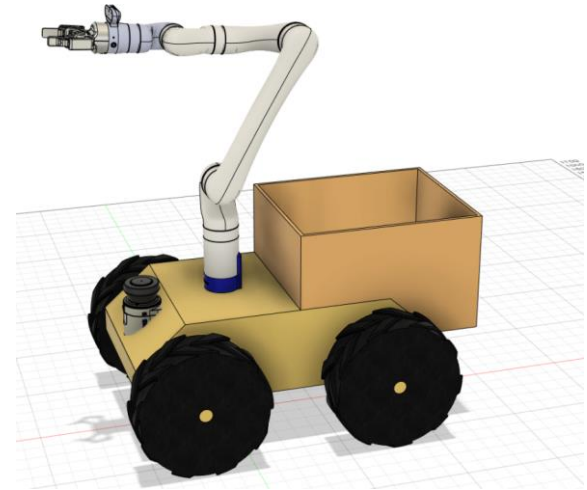
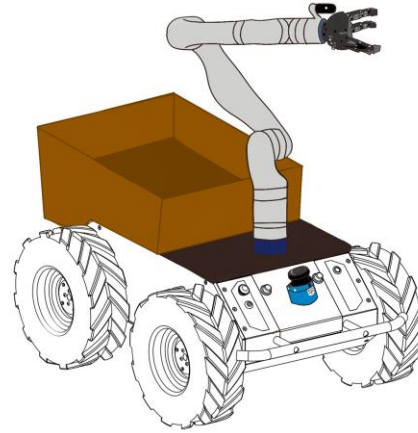
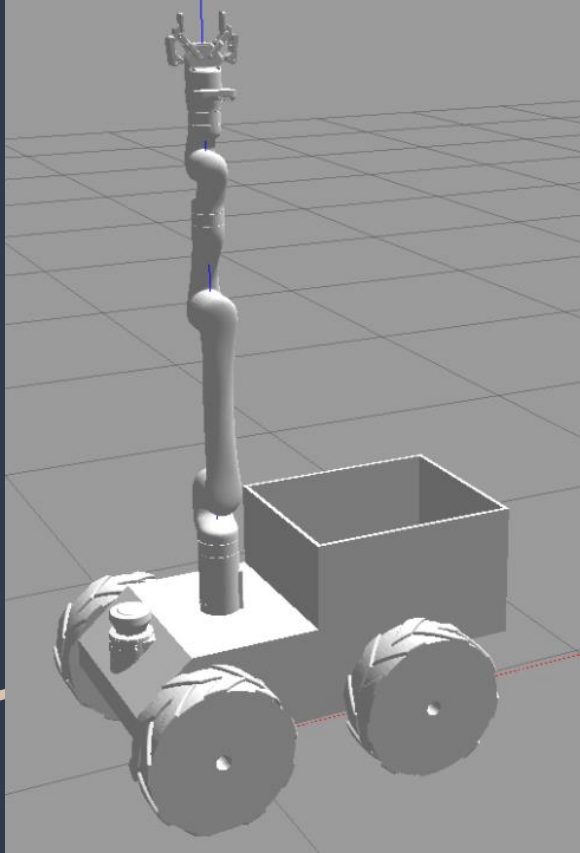


CDR

Mobil robot for høsting av frukt

Av Anja Breivik Møldrup, Camilla Kvamme, Runar Minde, Torodd Bryne Rykkje og Sigve Tungesvik Leirvåg.

Fullført design



Sensorer

Posisjonssensor

- Duro GPS system av Swift Navigation
- Tilpasset Husky UVG



Kollisjonssensor

- 2D LiDAR sensors LMS1xx
- Gir et godt bilde av terreng og hindringer

Vektsensor

- Vektcelle
- Estimering av når kurven er full

Kamera

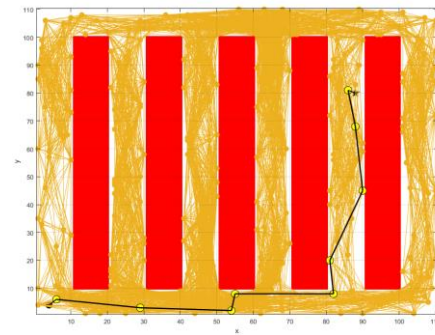
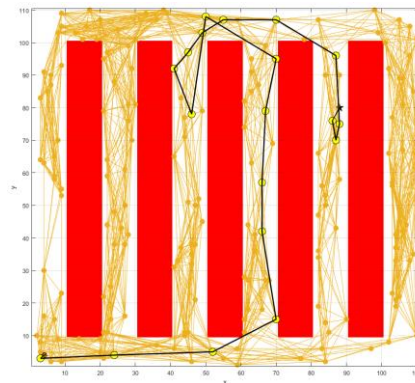
- Intel RealSense D410
- Innebygd i robotarmen



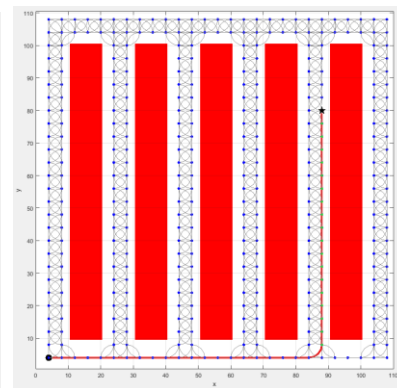
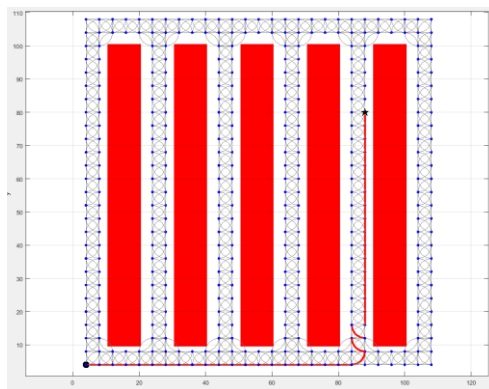
Navigasjon



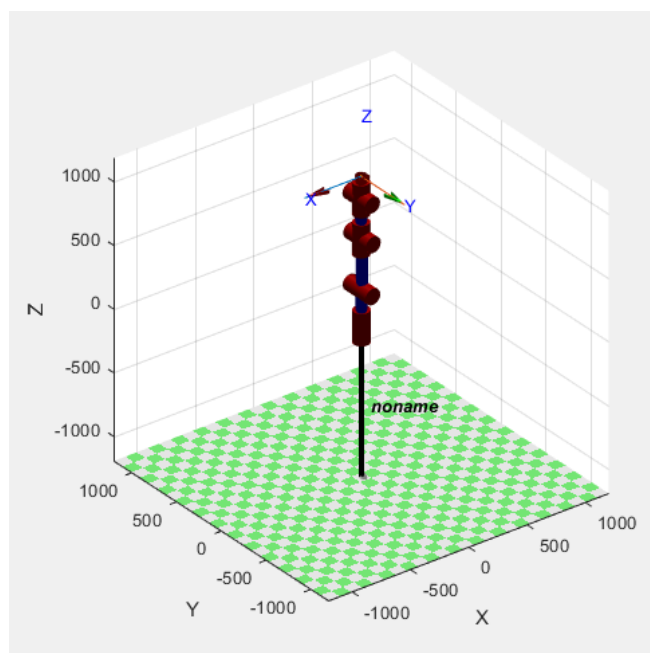
PRM



Lattice planner



Robotarm



noname:: 6 axis, RRRRRR, stdDH, slowRNE

	j	theta	d	a	alpha	offset
1	q1	284.81	0	-1.5708	0	
2	q2	-5.38	-410	3.14159	1.5708	
3	q3	0	-6.38	1.5708	1.5708	
4	q4	-314.36	0	1.5708	3.14159	
5	q5	0	0	1.5708	3.14159	
6	q6	-167.46	0	3.14159	3.14159	