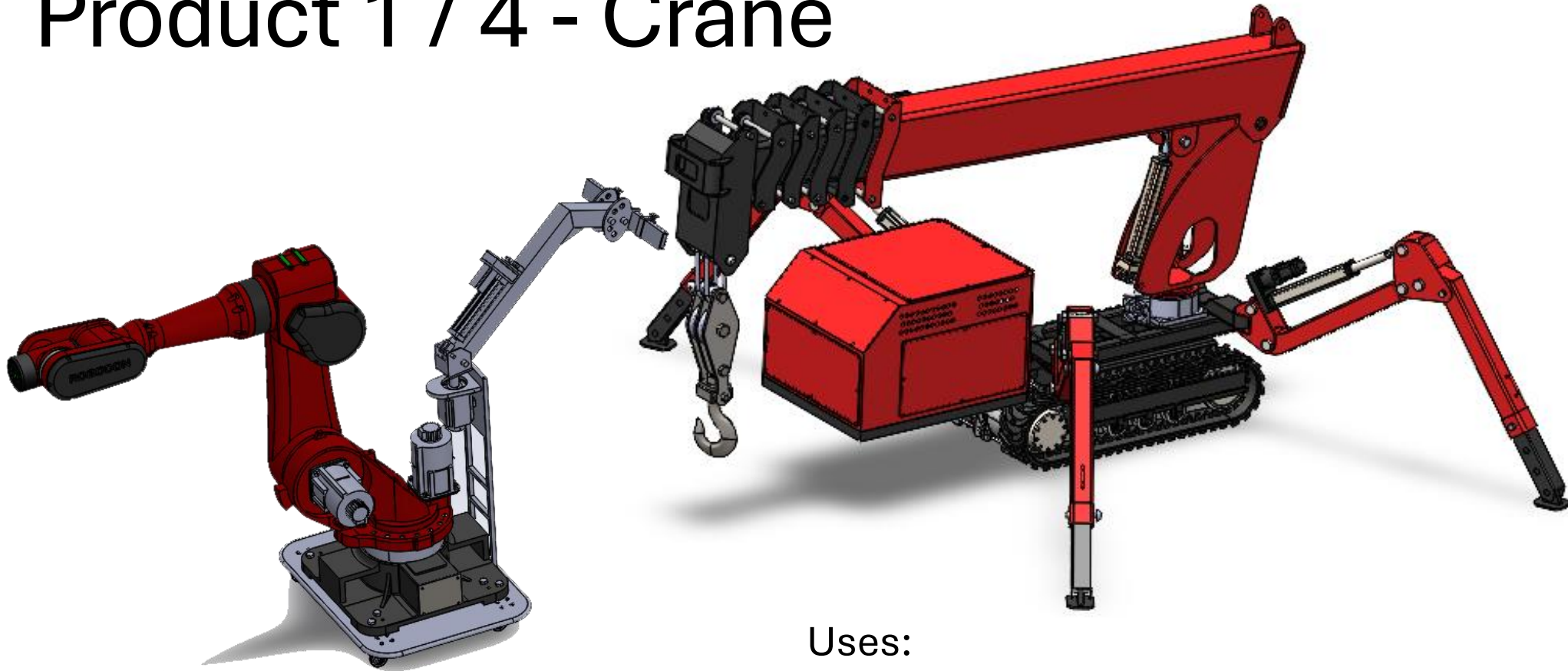


# ROBOCON<sup>®</sup>

## Robotic Construction

Sales Introduction

# Product 1 / 4 - Crane



## Specs:

- 72 V, 20 kWh Battery
- Lift 1760 lbs (800kg) of material  
33 ft (10 m)
- Includes Arm Attachment
- Retails around \$100,000

## Uses:

- Lifting Construction Material
- **Shipbuilding**
- Cutting Trees
- Utility Pole Servicing
- Street light Servicing
- Traffic Signal Servicing

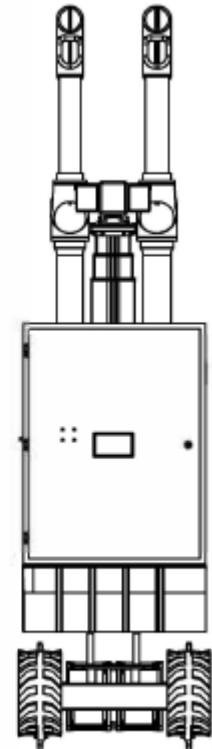
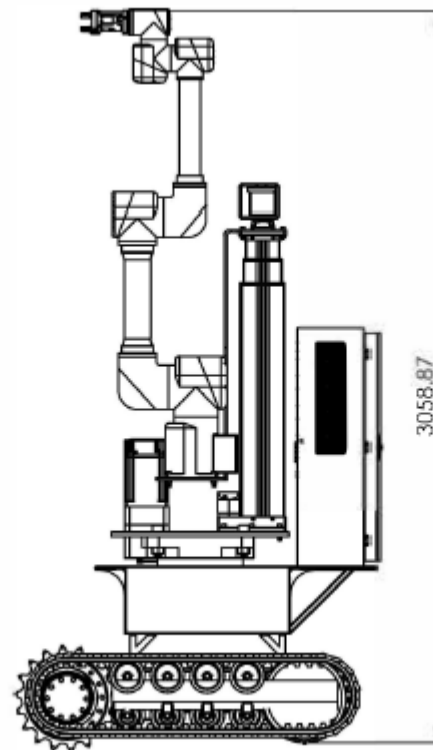
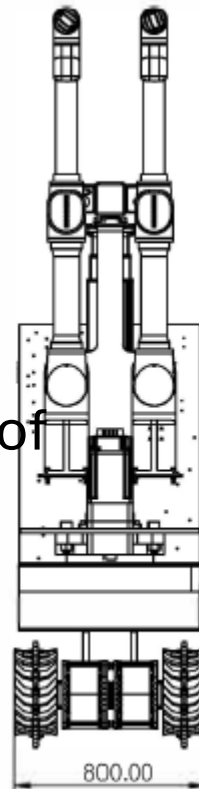
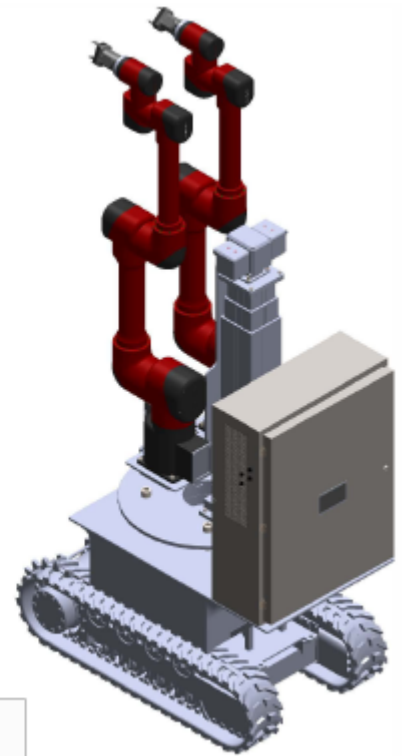
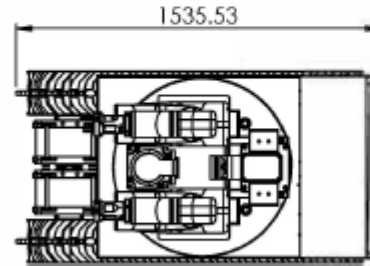
# Product 2 / 4 - Outdoor Servicer

## Uses:

- Apply/Remove Fasteners (Screws and Nails)
- Welding
- Picking/Placing
- Cutting Wood

## Specs:

- 48 V, 10 kWh Battery
- Each arm lifts 33 lbs (15kg) of material 13 ft (4 m)
- Patented Design
- Retails around \$60,000



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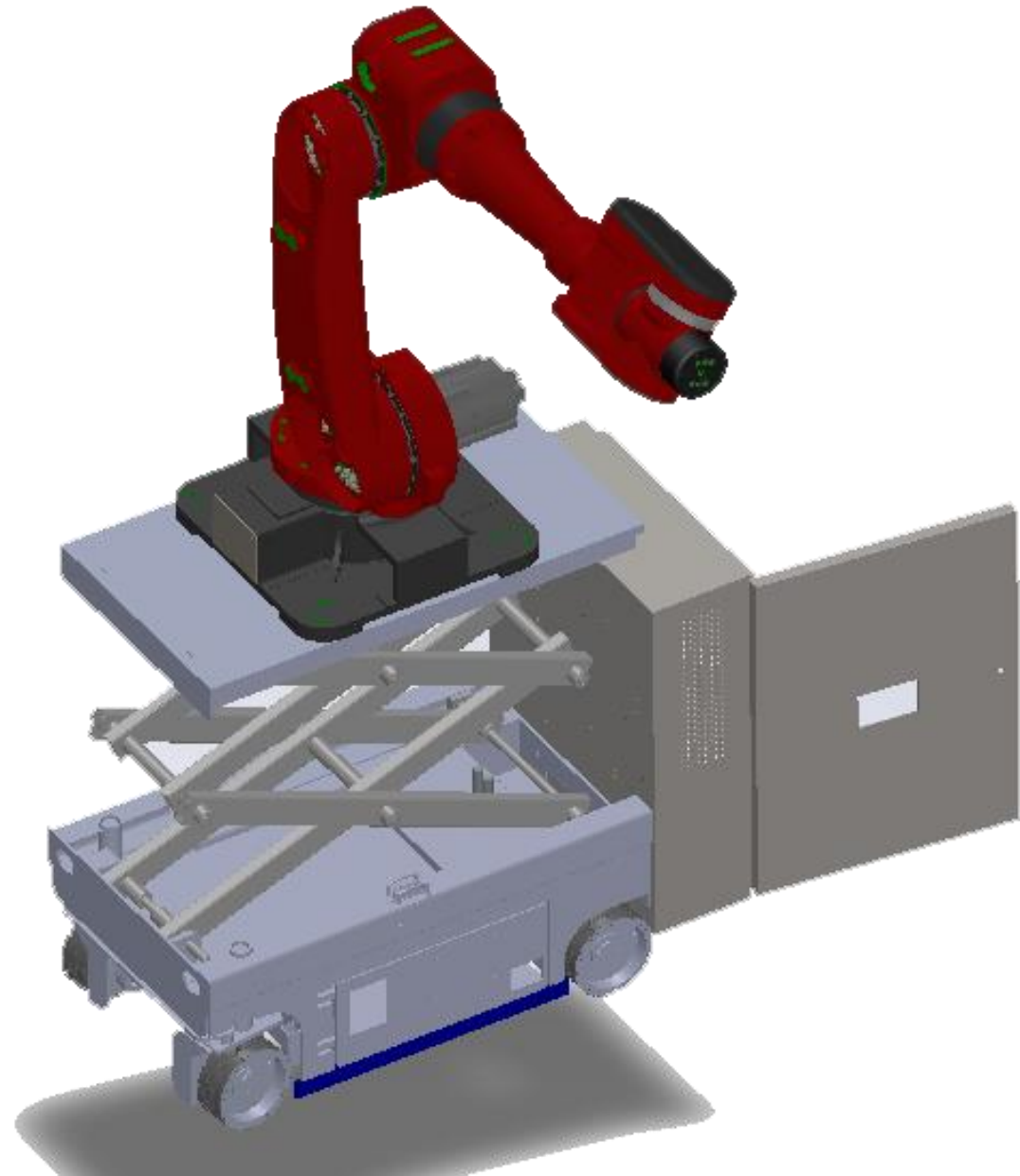
# Product 3 / 4 - Indoor Sheather

Uses:

- Heavy material placing

Specs:

- 48 V, 10 kWH Battery
- Lifts 110 lbs (50kg) of material 13 ft (4 m)
- Retails around \$70,000



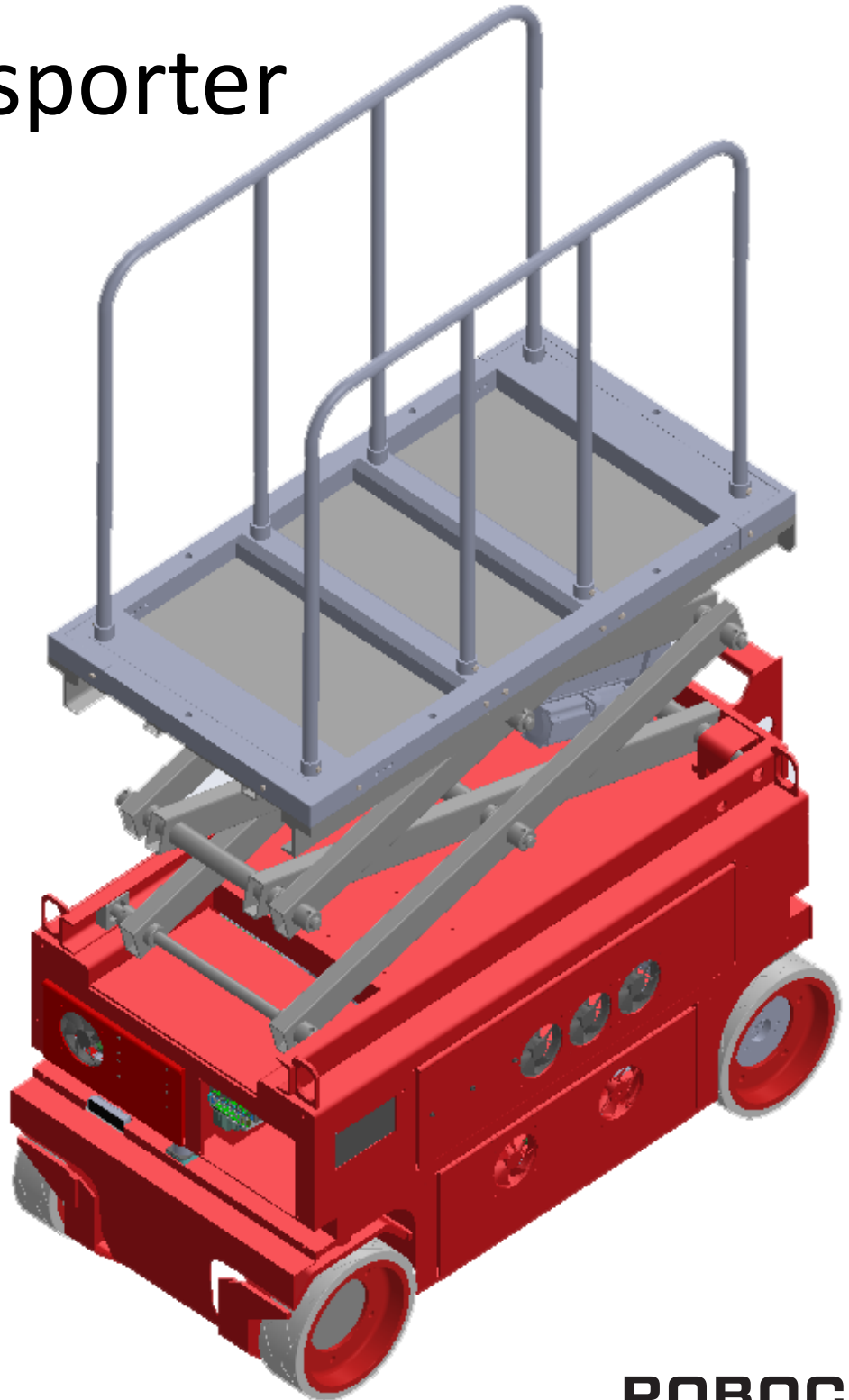
# Product 4 / 4 - Transporter

## Uses:

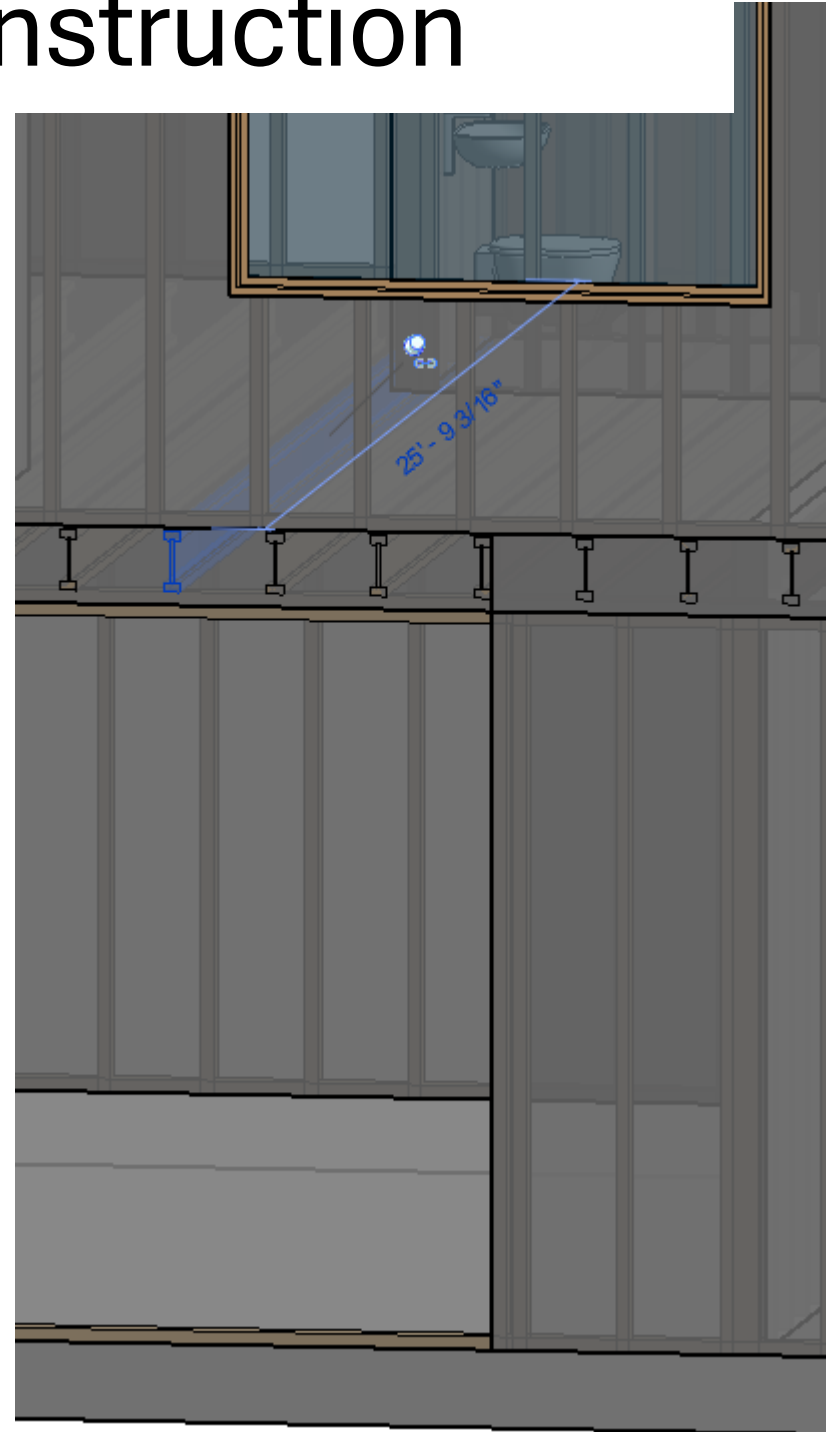
- Transport material from loading area to work area
- Emergency charging hub

## Specs:

- 48 V, 10 kWh Battery
- Transports and Lifts 2200 lbs (1000kg) of material 10 ft (3 m)
- Retails around \$40,000

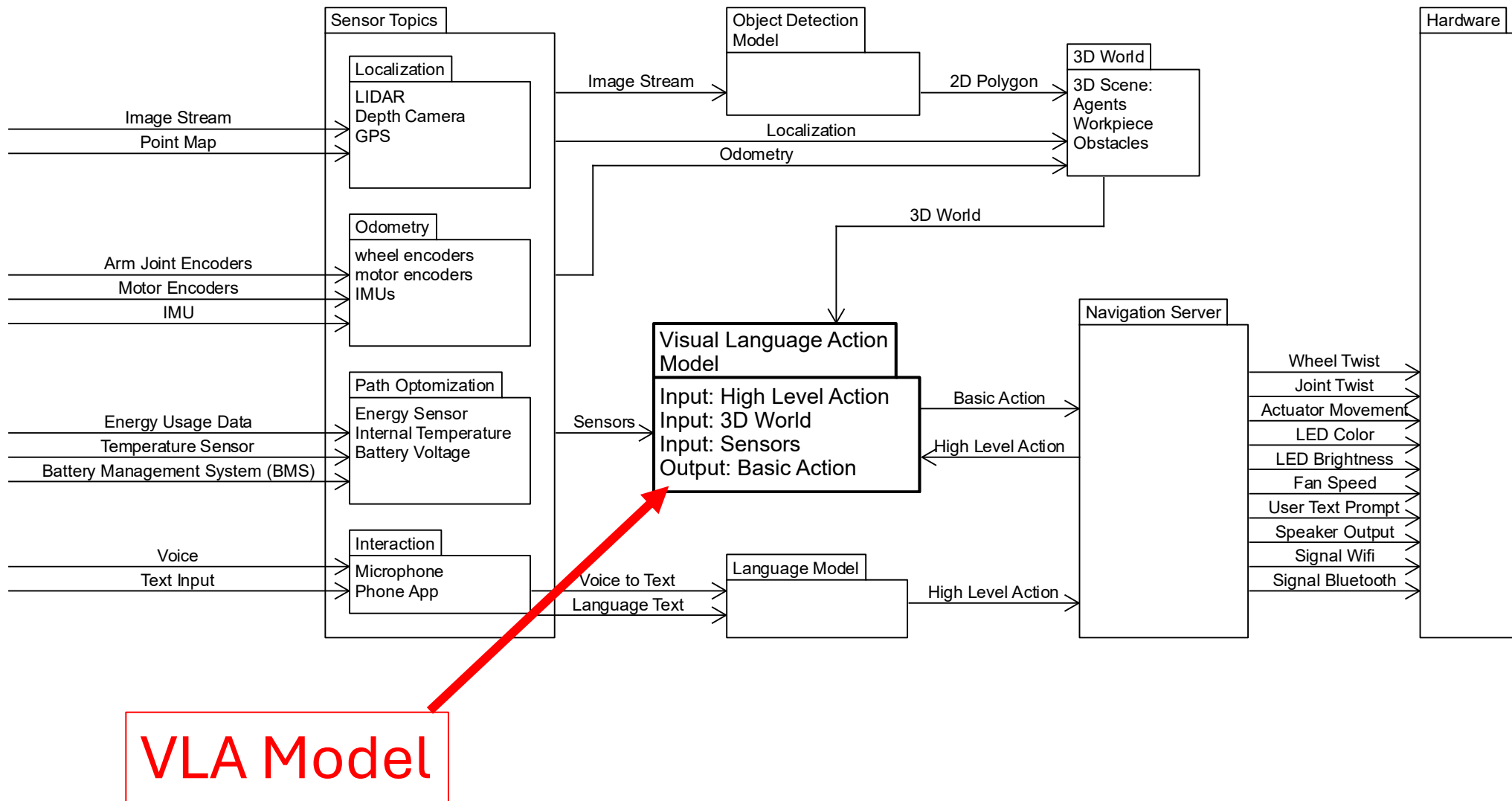


# Typical Townhouse Construction

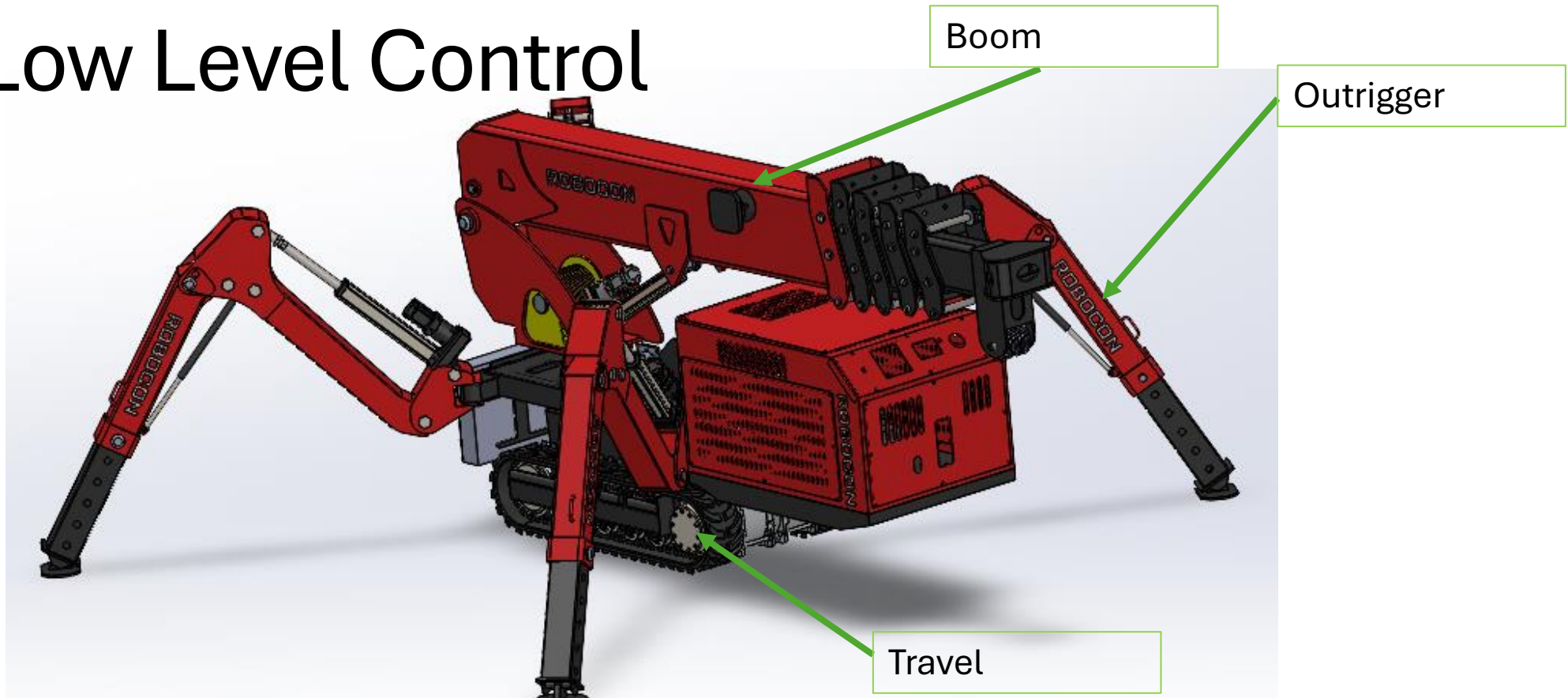




# Navigation Architecture



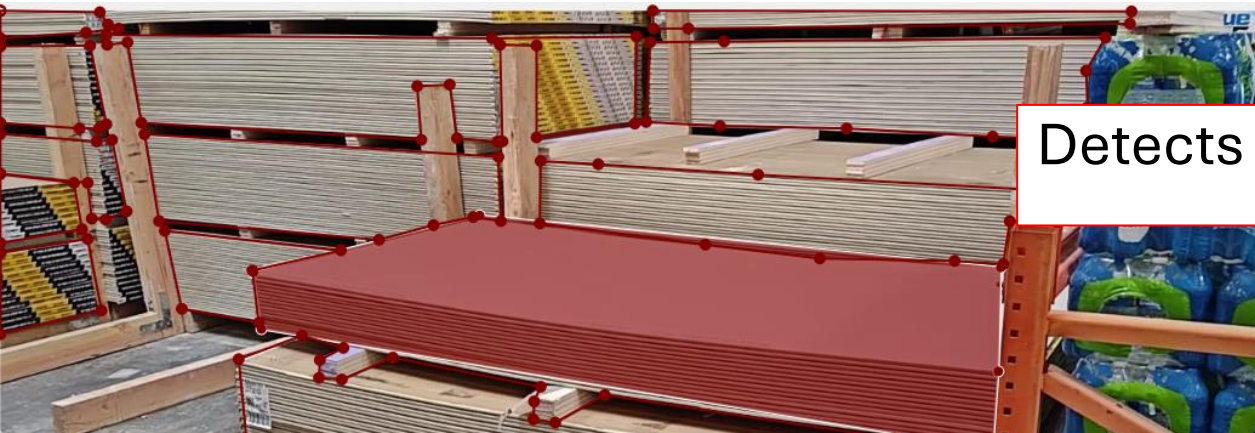
# Low Level Control



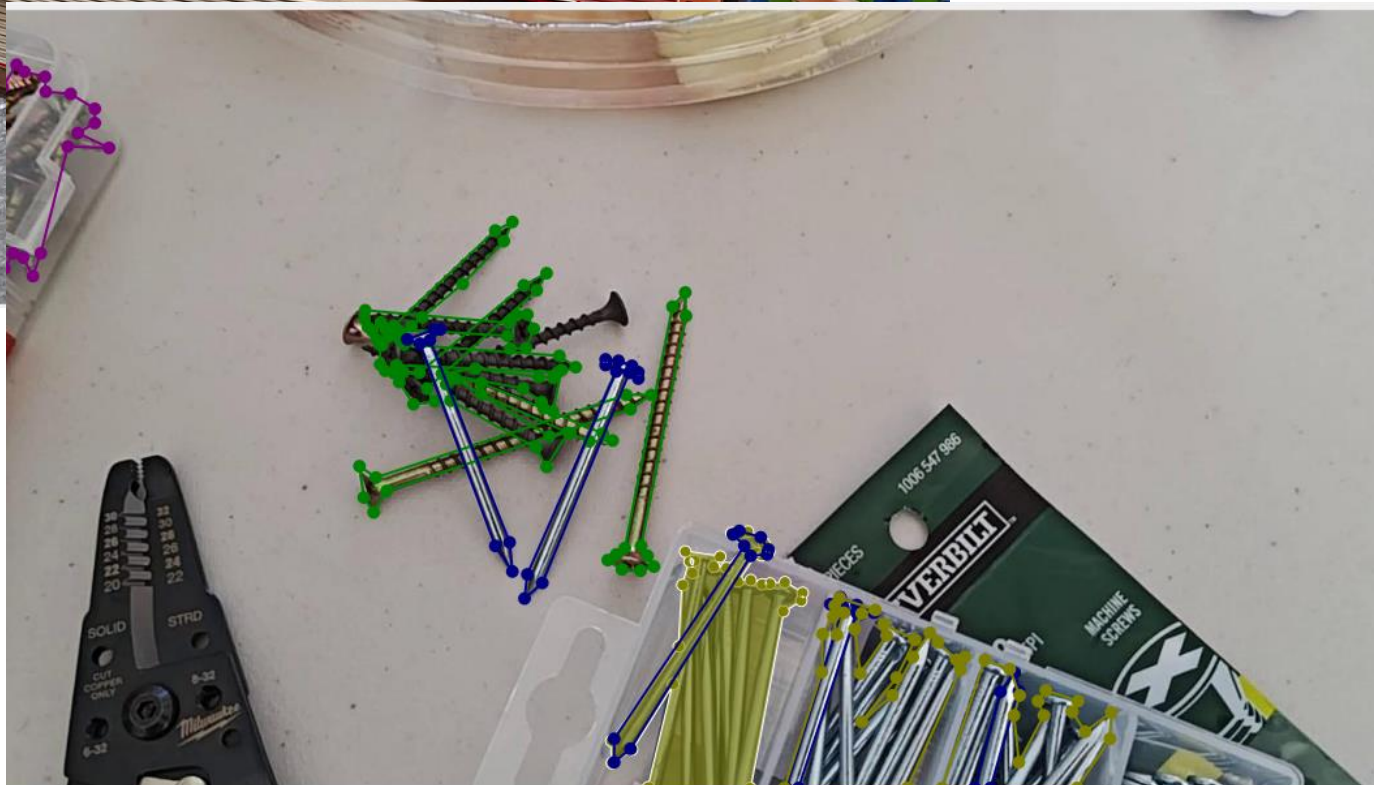
Action List	Action Type	Arg 1 Name	Arg 1 Value	Arg 1 Example	Arg 2 Name	Arg 2 Value	Arg 2 Example
Travel_MotorLeft	Low Level	RotationSpeed	RPM	1000			
Travel_MotorRight	Low Level	RotationSpeed	RPM	1000			
Outrigger_Rotate	Low Level	Rotation	Degrees	90	OutriggerID	Integer	1
Outrigger_Section1Engage	Low Level	Extention	Meters	0.35	OutriggerID	Integer	1
Outrigger_Extend	Low Level	Extention	Meters	0.35	OutriggerID	Integer	1
Outrigger_Section2Engage	Low Level	Extention	Meters	0.35	OutriggerID	Integer	1
Outrigger_FootTilt	Low Level	Extention	Meters	0.01	OutriggerID	Integer	1
Boom_Slewing	Low Level	Rotation	Degrees	270			
Boom_Lift	Low Level	Extention	Meters	0.4			
Boom_Extend	Low Level	Extention	Meters	10			
Pulley_Lift	Low Level	Distance	Meters	4			
EndEffectorSuckerSuck	Low Level	Suction	Integer	1			
EndEffectorSuckerSlew	Low Level	Rotation	Degrees	270			
EndEffectorSuckerExtend	Low Level	Extention	Meters	0.4			
EndEffectorSuckerTilt	Low Level	Extention	Meters	0.4			
EndEffectorSuckerRotate	Low Level	Rotation	Degrees	270			



# AI Training – Object Detection



Detects 30+ Construction Supplies



## Label List

Drywall Stack ●  
Screws\_Wood ●  
Nails\_Wood Stack ●  
Nails\_Wood ●  
Screws\_Wood Stack ●

## Polygon Labels

☒ Screws\_Wood ●  
☒ Screws\_Wood ●  
☒ Screws\_Wood Stack ●  
☒ Screws\_Wood ●  
☒ Screws\_Wood ●  
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☒ Screws\_Wood ●  
☒ Screws\_Wood ●  
☒ Screws\_Wood ●

## File List

Search Filename

# AI Training – 3D Simulation



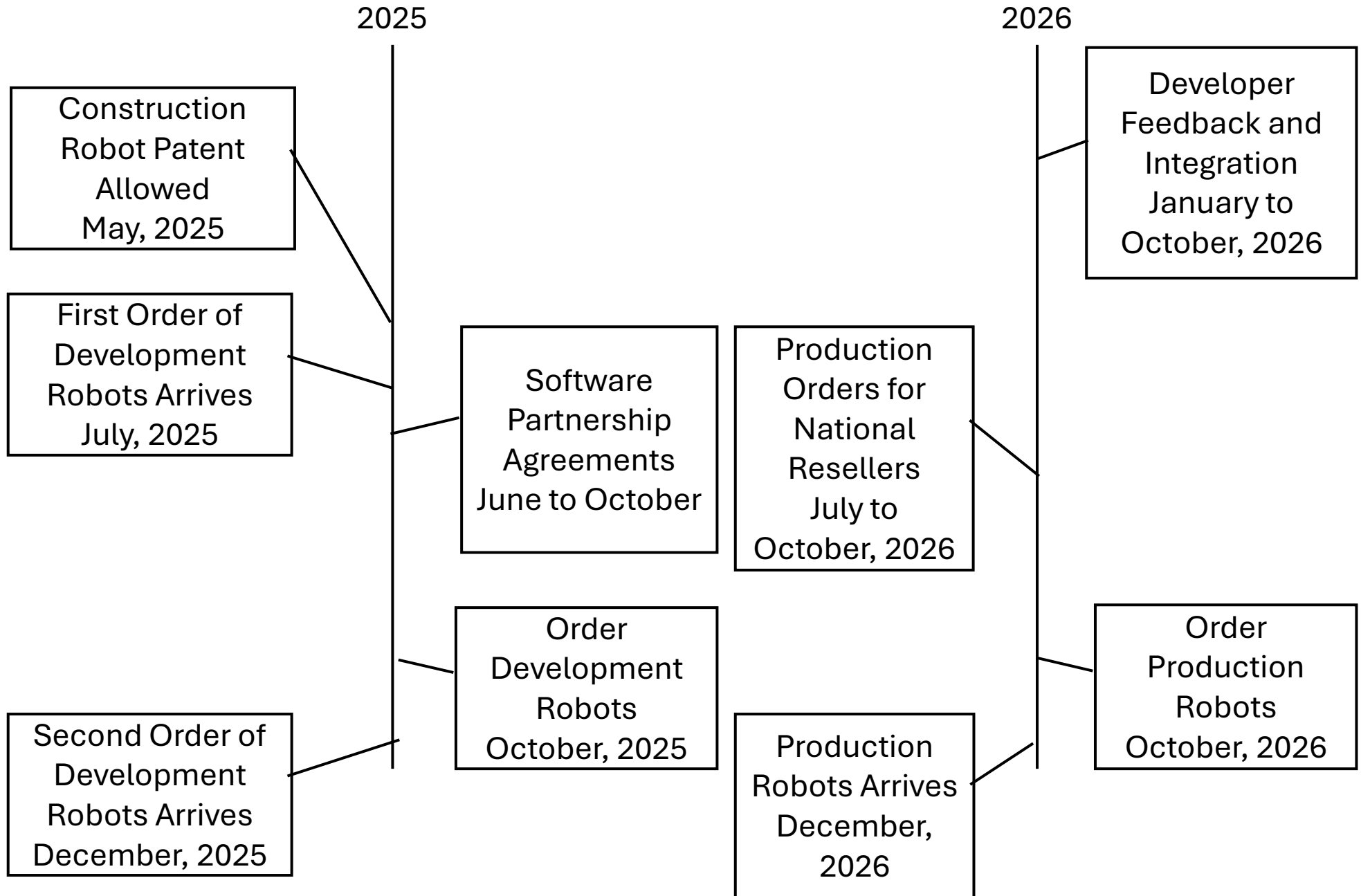
Prompt to Pose



Prompt:

Pick up the drywall and place it on the wall

# Sales Timeline



# Team



**Brad Lee**  
**Founder**

- California licensed Real Estate Broker
- Real Estate Manager for over \$200M+ in assets under management for CBRE, MetLife Investment Management, and Trammell Crow Company
- Managed 1M+ SF of commercial space and major capital projects
- Expert in real estate acquisitions, lease structuring, and asset value growth

# Partner Real Estate Developments

- <https://redwoodres.com/projects/>
- San Jose Downtown: 298 Apartment Units
- San Jose Downtown: 48 Condos
- Gilroy: 74 Single Family Homes
- Scotts Valley: 170 Townhouses
- Roseville: 38 Townhouses
- West Sacramento: 149 Townhouses

# Patents

- CONSTRUCTION WORKSTATION WITH ROTATABLE PLATFORM
  - Filing Date: 01/13/2025
  - Allowed: 05/19/2025
- 2 Others Pending

ROBOCON

# Trademark

Wordmark	<a href="#">ROBOCON</a>
Status	<span>LIVE</span> <span>PENDING</span>
Goods & services	IC 007: Industrial robots.
Class	007
Serial	99119484
Owners	Robocon Inc (CORPORATION; California, USA)