

ROBOTICS ENVIRONMENT TAXONOMY

Master Reference — Environment & Sub-Environment / Scene

A structured reference taxonomy for organizing robotics data collection environments across residential, commercial, industrial, public, agricultural, infrastructure, and service settings.

ENVIRONMENT	SUB-ENVIRONMENT / SCENE
1. Household & Residential	Kitchen
	Living Room
	Bedroom
	Bathroom
	Dining Area
	Laundry / Utility Area
	Home Office / Study
	Garage / Home Storage
	Balcony / Patio
	Garden / Yard
	Closet / Wardrobe
	Household Floor
2. Office & Workplace	Open Office / Workstation Area
	Meeting / Conference Room
	Reception / Lobby
	Office Pantry / Break Room
	Storage / Utility Room
	Collaborative Workstation
	Office Corridor
3. Retail & Stores	Grocery / Supermarket
	Convenience Store
	General Retail Store
	Apparel / Lifestyle Store
	Electronics / Hardware Store
	Retail Stockroom / Backroom
	Shopping Mall
	Department Store
4. Hospitality & Food Service	Pharmacy / Drugstore
	Restaurant
	Café / Coffee Shop
	Commercial Kitchen
	Restaurant Dining Area
	Hotel / Guest Room
	Hotel Lobby
	Hotel Corridor
	Hotel Restaurant
	Hotel Kitchen
5. Warehouse & Logistics	Conference / Event Venue
	Warehouse Floor
	Storage / Racking Area
	Picking Area
	Packing / Packaging Area
	Sorting Area
	Dispatch Area
	Loading / Unloading Area
	Logistics / Fulfilment Centre

ENVIRONMENT	SUB-ENVIRONMENT / SCENE
6. Industrial & Manufacturing	Manufacturing Floor
	Assembly Line / Assembly Station
	Packaging Line
	Production Workstation
	Fabrication / Workshop Area
	Foundry
	Quality Control / Inspection Area
	Factory Workcell
7. Construction & Hardware	Construction Site
	Electrical Installation / Wiring Area
	Cement / Mortar Preparation Area
	Site Measurement & Layout Area
	Masonry / Civil Work Area
	Carpentry / Hardware Work Area
	Construction Material Handling Area
8. Automotive & Mobility	Automotive Workshop
	Garage / Service Bay
	Vehicle Maintenance Area
	Vehicle Cleaning / Detailing Area
	EV Charging / Electrical Service Area
	Vehicle Depot
	Parking Garage
	Fuel / Service Station
9. Commercial Facilities	Commercial Building
	Facility Operations Area
	Building Utility / Maintenance Area
	Common Area / Lobby
	Commercial Storage Area
	Building Corridor
	Stairwell
	Elevator / Lift Area
10. Outdoor & Field Environments	Residential Outdoor Area
	Garden / Landscaping Area
	Yard / Compound
	Outdoor Work Area
	Public / Outdoor Space
11. Healthcare & Medical	Hospital / Patient Room
	Hospital Corridor
	Emergency / Triage Area
	Operating / Procedure Room
	Pharmacy
	Laboratory / Diagnostic Area
	Nursing Station
	Clinic / Examination Room
	Rehabilitation / Therapy Area
	Medical Storage Area
	Patient Waiting Area
12. Education & Institutional	Classroom
	University / College Campus
	Laboratory / Research Lab

ENVIRONMENT	SUB-ENVIRONMENT / SCENE
	Library
	Workshop / Training Room
	Institutional Office
	Campus Corridor
13. Public & Civic Spaces	Community Centre
	Indoor Public Space
	Outdoor Public Plaza
	Public Market
	Playground
	Airport Baggage Area
	Railway Station
	Metro / Subway Station
	Bus Terminal
	Roadside / Street Environment
14. Delivery & Last-Mile Logistics	Delivery Hub
	Parcel Sorting Centre
	Courier Facility
	Commercial Delivery Area
	Mailroom / Parcel Room
15. Agriculture & Farming	Open Agricultural Field
	Greenhouse
	Indoor Farm
	Nursery
	Orchard
	Vineyard
	Livestock Farm
	Barn / Stable
	Farm Storage Area
	Agricultural Processing Area
16. Food & Grocery Operations	Bakery
	Food Processing Facility
	Commercial Food Preparation Area
	Cold Room / Cold Storage
	Grocery Storage Area
	Food Packaging Area
	Catering Facility
	Food Court
17. Utilities & Infrastructure	Power Plant
	Electrical Substation
	Water Treatment Facility
	Wastewater Treatment Facility
	Utility Room
	Mechanical Room
	Telecom / Data Centre
	Solar Farm
	Battery Storage Facility
18. Waste & Recycling	Waste Collection Area
	Recycling Facility
	Material Recovery Facility
	Waste Sorting Area

ENVIRONMENT	SUB-ENVIRONMENT / SCENE
	Waste Processing Facility
	Scrap Yard
19. Mining & Natural Resources	Mining Site
	Quarry
	Underground Mine
	Open-Pit Mine
	Resource Processing Area
20. Marine & Port Environments	Port / Harbour
	Warehouse / Port Storage
	Shipping Terminal
	Container Yard
	Dock / Loading Area
	Ship / Vessel Interior
	Grassland
	Mountain / Hilly Terrain
	Remote Infrastructure Site
21. Sports & Recreation	Gym / Fitness Centre
	Sports Hall
	Stadium
	Swimming Pool Area
	Indoor Recreation Centre
	Outdoor Sports Field
	Camping / Outdoor Recreation
22. Cleaning & Maintenance	Commercial Cleaning Area
	Building Maintenance Area
	Landscaping Work Area
	Janitorial / Utility Area
	Emergency Response Area
	Fire Safety Training Area
23. Repair & Maintenance	Appliance Repair Area
	Electronics Repair Area
	General Repair Workshop
	Equipment Repair Area
	Mechanical Repair Area
	Electrical Repair Area
	Plumbing Repair Area
	Tool Repair / Service Area
	Bicycle / Mobility Repair Area
	Furniture Repair Area
	HVAC / Air-Conditioning Service Area
	Maintenance Workshop
	Service Counter / Repair Desk