Use Case related to	Detect Worker Emergency
Name	Detect worker entering hazardous area.
Description	The system tracks shop-floor workers and notifies them if they enter a restricted / dangerous area.
	(1) The shop floor worker is equipped with location tracking devices. OR the shop floor is equipped with i.e., LIDAR to track workers on the shop
	floor.
Pre-Conditions	(2) The worker enters a restricted area.
	The worker is notified of entering a ristricted area. If they do not leave within a specified time period, additional personnel is notified to 'rescue'
Success End Condition	the worker.
Error Situations	The location tracking is defective.
Failure End Condition	The worker enters a restricted area but is not notified. Since no restricted access was detected, no additional personnel will be notified.
Primary Actor	Shop-Floor Worker
Additional Actors	Location Tracking Devices, Emergency personnel, Other Shop Floor-Workers, Unions, Privacy-Responsibles
Trigger	An Administrator starts the tracking software. / The software continiously tracks workers in an area.
Monitoring	Shop Floor Worker - Tracking of Position - IoT Device / LIDAR
Property - Component - Device	Dangerous Areas - Geofencing / robot position - Predifined Areas using, e.g., IoT devices / Dynamic Robot Movemevent (gather robot position)

Main Success Scenario	
1 A workers enters an area within the shop-floor with monitoring enabled.	
The tracking device / LIDAR sensors activate and continiously track the worker.	
The worker enters a restricted (i.e., dangerous) area	
4 The worker gets a notification through a device (smartwatch, audio, phone, etc.) that they entered a dangrous area and must leave within [allowed_time] amount of minutes	
5 When the amount of time the worker is within the restricted area goes above [allowed_time], the system notifies emergency personnel to take a look at the situation.	
6 The emergency personnel arrives at the scene and 'rescues' the worker.	