Afbeelding met lijn, diagram, Perceel, tekst

Automatisch gegenereerde beschrijving

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| **Id** | **Name** |  | Delta Robot Control and Monitoring | |
| **Goal** | | The goal of this use case diagram is to illustrate the interactions and operations related to controlling and monitoring a Delta Robot system. | | |
| **Pre-condition** | | * The Delta Robot system is installed and operational. * The Control System is powered and ready to receive commands. * The Operator and Maintenance Technician have appropriate permissions and training. | | |
| **Post-condition** | | * The Delta Robot system can perform various tasks as requested. * The Operator and Technician can effectively control and monitor the robot's activities. | | |
| **Actors** | | * **Operator:** The user who initiates and monitors robot actions. * **Maintenance Technician:** A user responsible for performing maintenance tasks on the robot. * **Control System:** The software/hardware system responsible for managing the robot's actions. | | |
| **Triggering event(s)** | | * The Operator initiates a task or monitoring action. * The Technician performs maintenance tasks. * The Control System receives commands. | | |
| **Cross-references** | | None | | |
| **Description** | | **Actor** | | **System** |
| Operator | | interacts with the system to initiate various tasks such as initializing the robot, requesting movement, executing tasks, monitoring robot status, and requesting an emergency stop. |
| Maintenance Technician | | performs maintenance tasks, including an emergency stop when necessary. |
| Control System | | manages and controls the robot's actions, including initializing, moving the robot arm, executing tasks, and monitoring the robot's status. |
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| **Extensions** | | None | | |
| **Alternatives** | | None | | |

This use case diagram provides an overview of how the Operator and Technician interact with the Control System to control and monitor the Delta Robot system, ensuring that it operates effectively and safely.