

## Trial Description

- **Task:** Build **1** single shipment from 1 single order.
  - The conveyor belt is not used.
  - There are faulty products in the environment.
  - A product must be flipped.
- **Orders:** This trial consists of 1 order (order\_0) with one shipment (shipment\_0).
  - The shipment consists of 5 products:

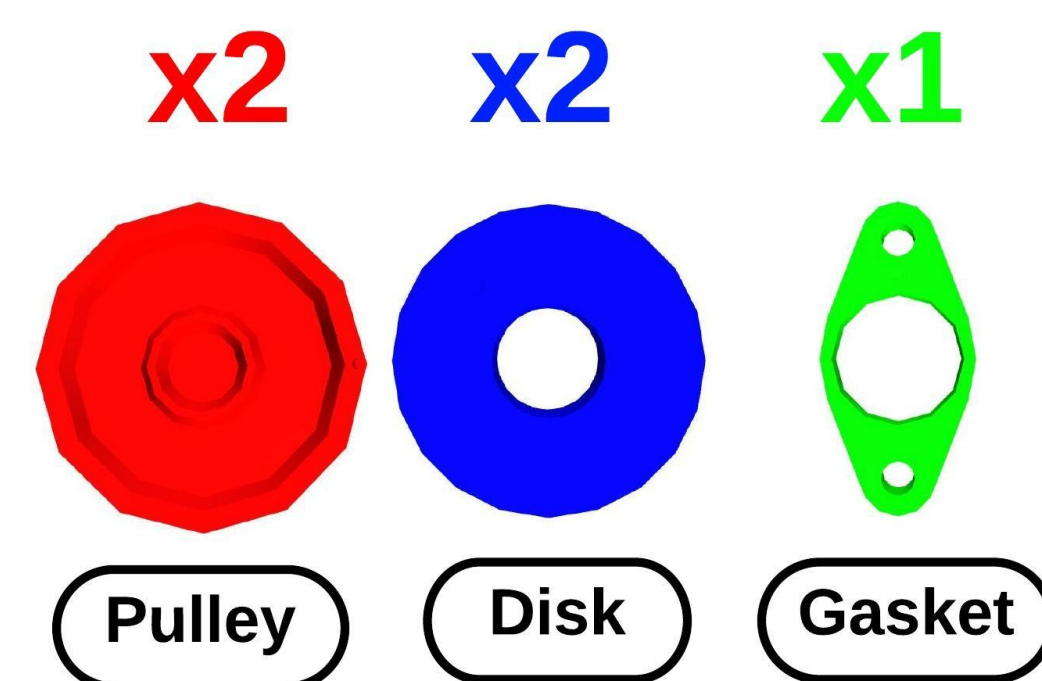


Fig. 1: Products used in order\_0.

- **Maximum completion score:** 20 pts
- **Agility challenges:**
  - Faulty products.
  - Flipping products: 1 red pulley must be flipped in the shipment.
- **Product vessels:** bin  $\times$  3, shelf  $\times$  1, the conveyor belt is not used.
- **Shipment deliveries:**
  - order\_0::shipment\_0: AGV2.
- **Time limit:** 500 simulation seconds.

## Initial Product Placement

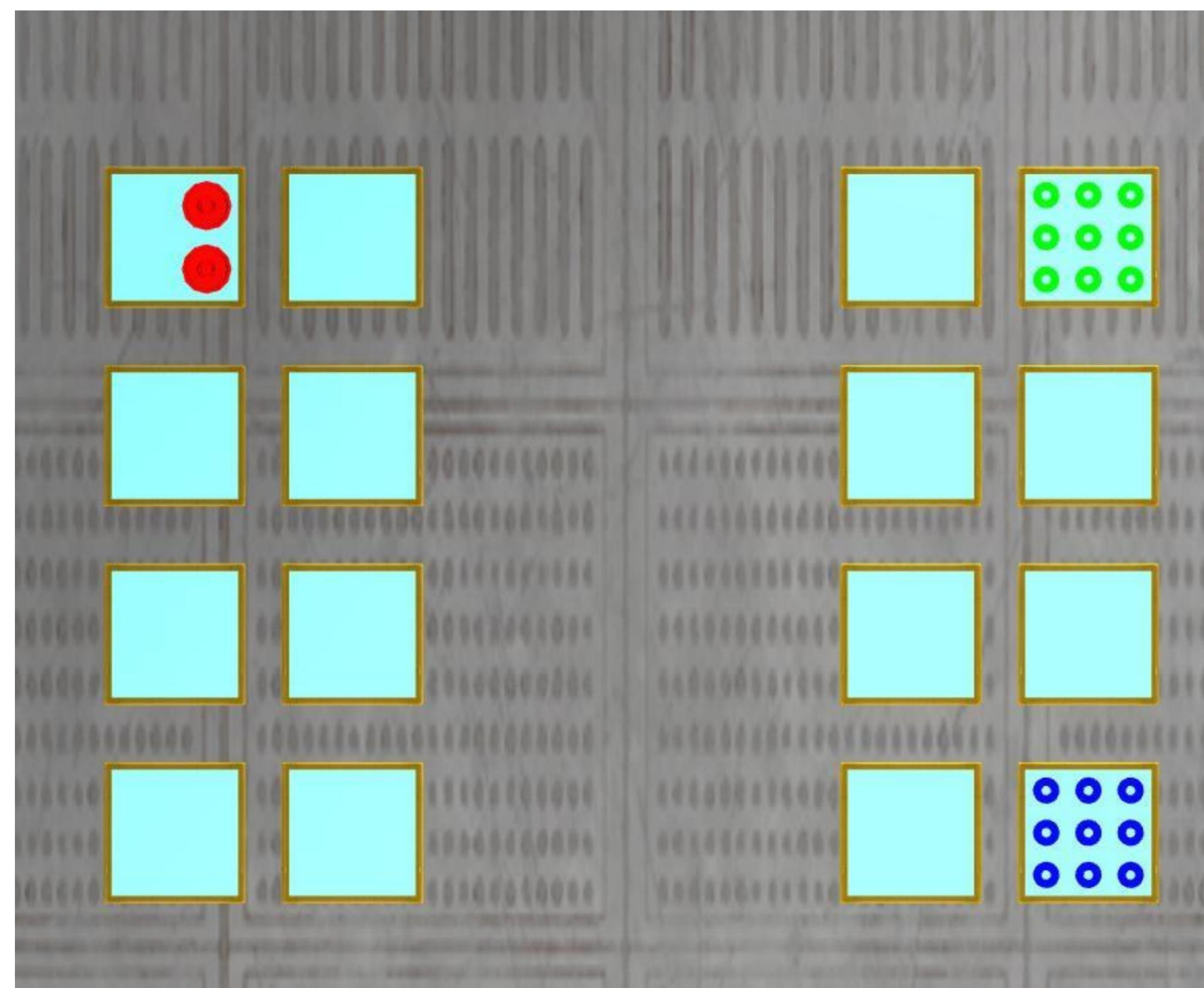
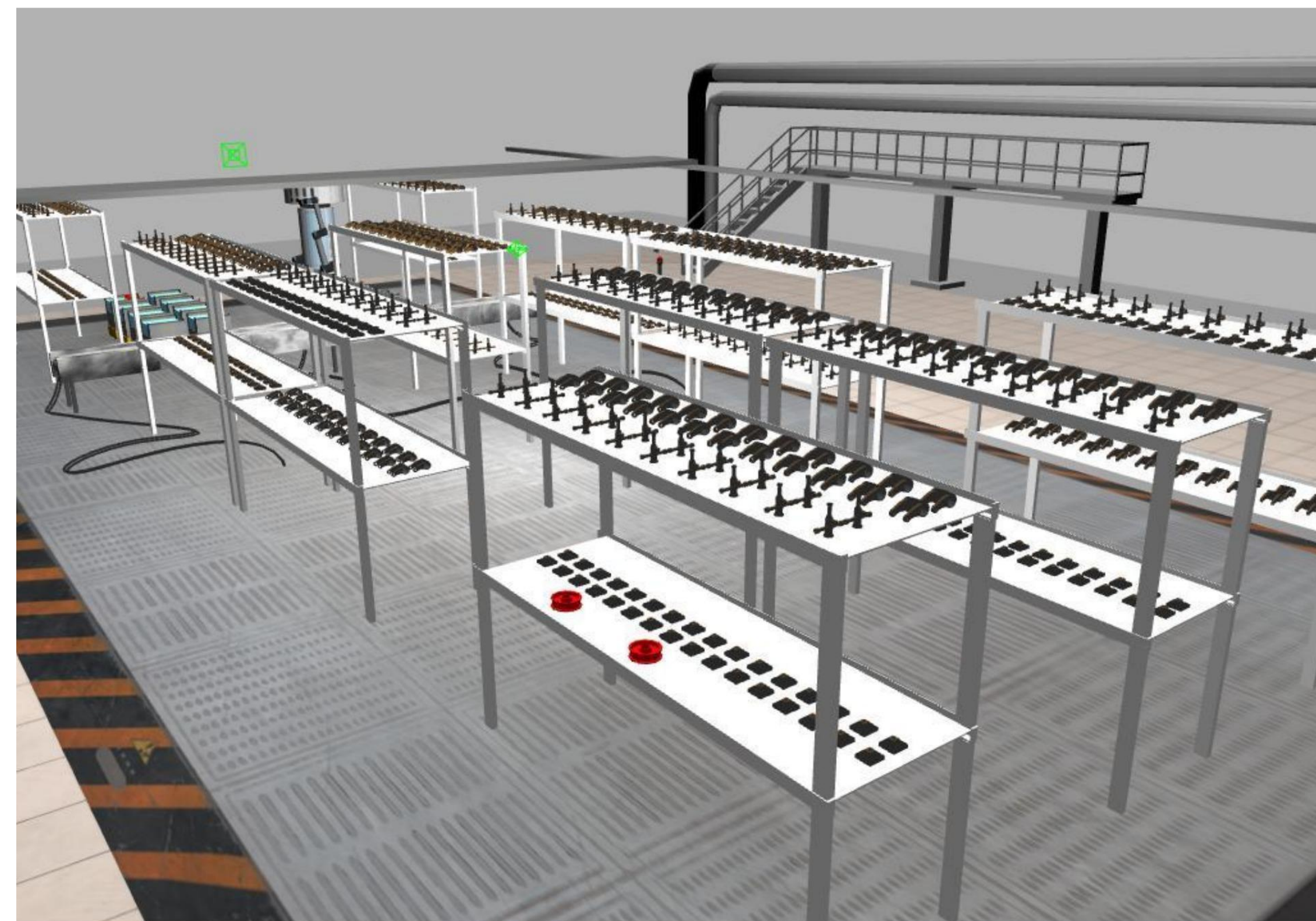


Fig. 2: Initial product placements.

## Agility Challenges

- **Faulty products:** There are 6 faulty products in the environment. The shipment must not contain faulty products.

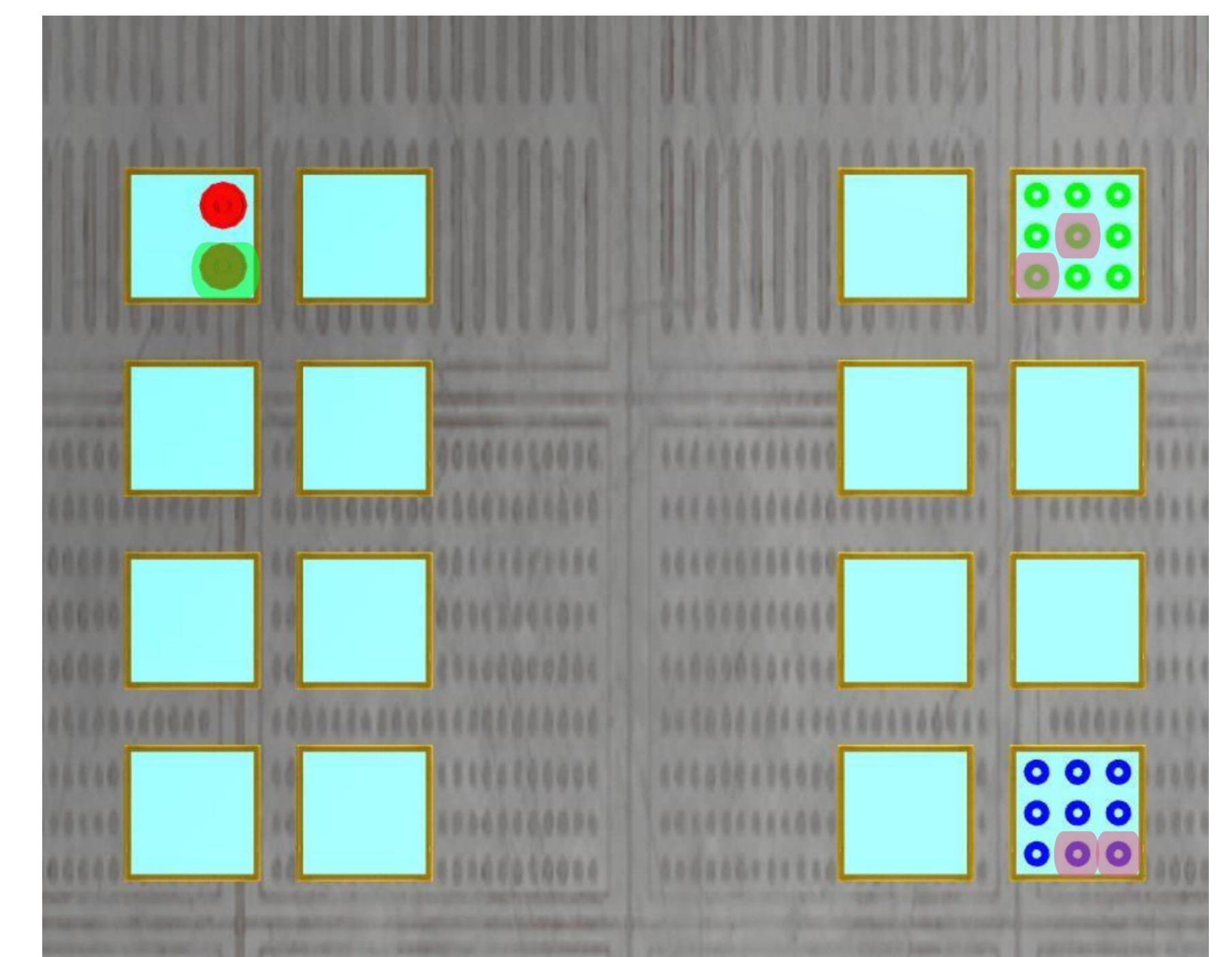
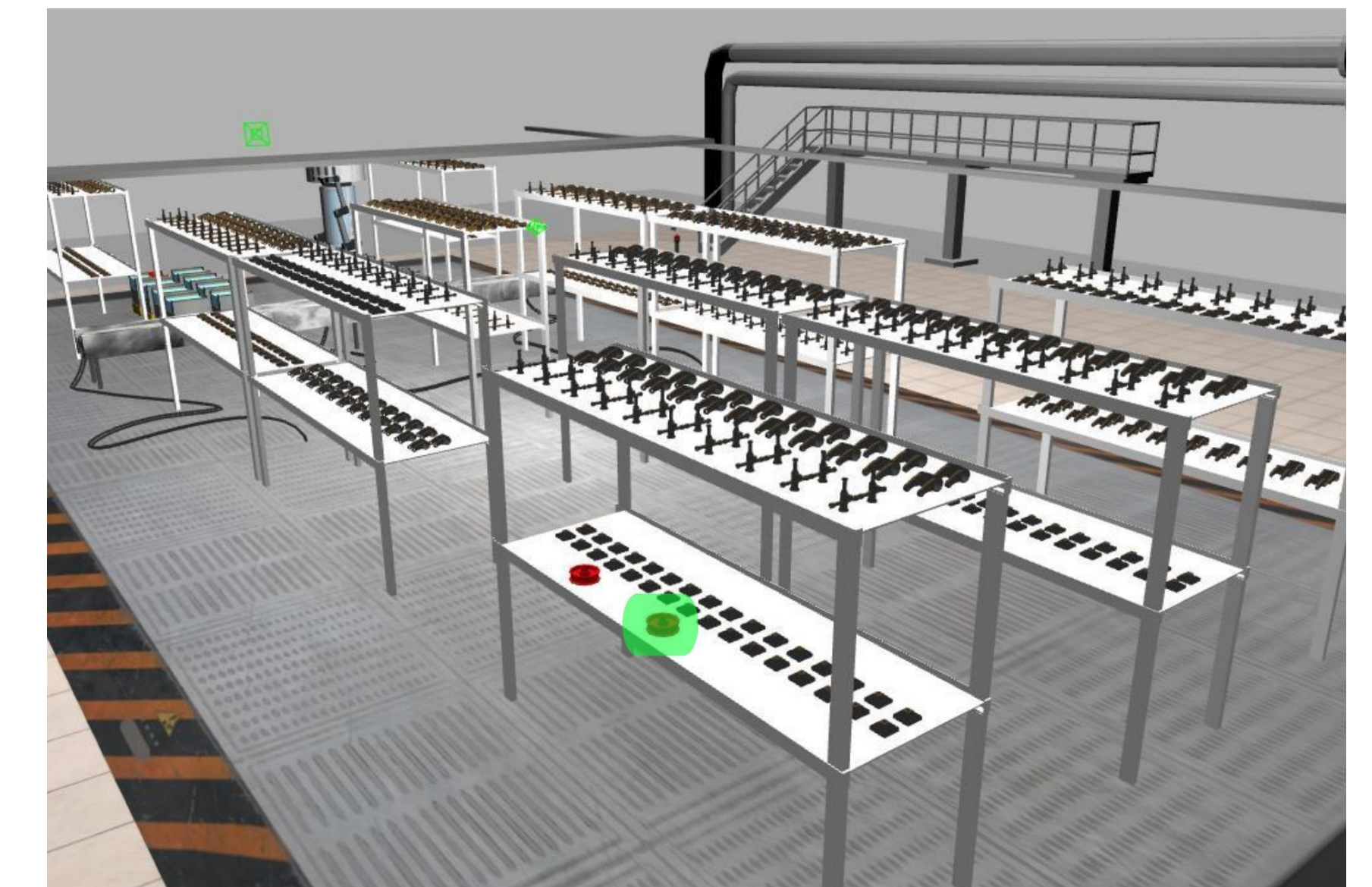


Fig. 3: Faulty products in the environment.

- **Flipped products:** A red pulley needs to be flipped in the shipment. Figure 4 highlights the flipped product.

## Orders

