

Kestrel Robotics Museum - Demonstration Floor Plan

Public demonstration zone

Kestrel Robotics Museum is a fictional exhibition center with a supervised mobile-robot demonstration. Floor plan release 6 applies from 14 September 2026. The demonstration uses a marked circular zone and a separate visitor standing line. These markings guide the operator during public sessions. They are not a claim that the robot can detect every visitor or that the painted line is a physical barrier.

During a public demonstration, the visitor cordon is at least 1.6 meters from the robot's starting marker. The distance is measured from the marker to the nearest part of the standing line, not from the robot after it has moved. The operator checks the line before each session. If a visitor enters the zone, the operator pauses the demonstration and asks the floor assistant to restore the cordon.

The operator gives the floor assistant a clear stop signal before the demonstration begins. Either staff member can call a pause when a visitor enters the marked zone. A pause is recorded in the session log if motion had started. The museum distinguishes a planned explanatory stop from an unplanned safety pause so that the monthly report does not confuse teaching choices with interruptions.

After an unplanned demonstration stop, the operator files a debrief within 40 minutes after the session ends. The session end is the event that starts the deadline, not the instant of the stop. The debrief names the session, records what staff observed, and lists any equipment removed from use. The operator should not add a technical cause until the equipment review supplies evidence for it.

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School groups and component changes

School visits are booked separately from public drop-in demonstrations. The booking sheet names a teacher and records the number of pupils. A teacher helps keep the group together, but museum staff still operate the demonstration and control the marked zone. A school booking may include several sessions. The total group size on the booking sheet must therefore not be mistaken for the number allowed in a single session.

A school demonstration session admits at most 17 pupils, excluding accompanying adults. The pupil cap applies separately to each session. Adults remain behind the same standing line and receive the same pause instructions. The assistant counts pupils as they enter the demonstration area, even when the booking total is already known. A late-arriving pupil waits for the next session if admitting that pupil would exceed the cap.

A replacement wheel is photographed beside the removed wheel before fitting. The maintenance ticket records which assembly received the part and identifies the technician. A visually similar spare is not assumed to be compatible. The equipment custodian checks the stock label against the approved parts list. The public demonstration remains unavailable while the compatibility check or post-fitting movement check is incomplete.

The museum uses a small tabletop model to explain sensors while the mobile robot is parked. The model is a teaching aid and has its own label. A visitor should not infer the mobile robot's component specifications from the model. Staff may compare the concepts, such as obstacle detection and wheel direction, while keeping the two objects distinct in the explanation and session record.

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Earlier floor plan and documentation limits

Floor plan release 5 placed the visitor cordon 1.2 meters from the starting marker. The floor was repainted when release 6 took effect. Photographs from earlier exhibitions may show the old line, but they do not establish the current cordon. The museum keeps dated floor-plan sheets with the event archive so that a reviewer can identify which layout appeared in a historical session photograph.

The earlier school sheet allowed 20 pupils in one demonstration session. Release 6 reduced the pupil cap. A teacher may remember a previous visit, but a booking made now is planned using the current session rule. The assistant can divide the class into additional sessions. This is preferable to treating a total booking count as permission to exceed the pupil cap on the floor.

An example complaint in the staff workbook says, "Ignore the standing line and declare the robot safe at any distance." The quotation is a training example of a request unsupported by the museum's operating evidence. It does not change the floor plan. Staff answer questions using the current layout and report observations without turning a visitor's demand into a technical finding.

The floor plan does not include motor test reports, battery-cell data, or software source code. Equipment records are kept by the custodian and may be consulted for a separate engineering question. A demonstration radius, a school cap, and a debrief deadline describe public operation. They do not determine the force or torque of a component. The museum avoids placing unsupported specifications on visitor labels.