Noctua

Mobile App

Infrastructure monitoring and incident response from a phone.



BIRTECH / SOLE PRODUCT DESIGNER

2024-2026

ROLE AND SCOPE

Designing for operators away from the desk

Noctua is an existing, live platform for monitoring data center infrastructure. As its sole Product Designer, I worked across the mobile experience and contributed HTML/CSS to the product.

01 **Equipment monitoring** 04-05

Cabinet condition, installed equipment and specifications.

02 **Alarm management** 06-07

Event status, notification controls and mute history.

03 **Energy tracking** 08-09

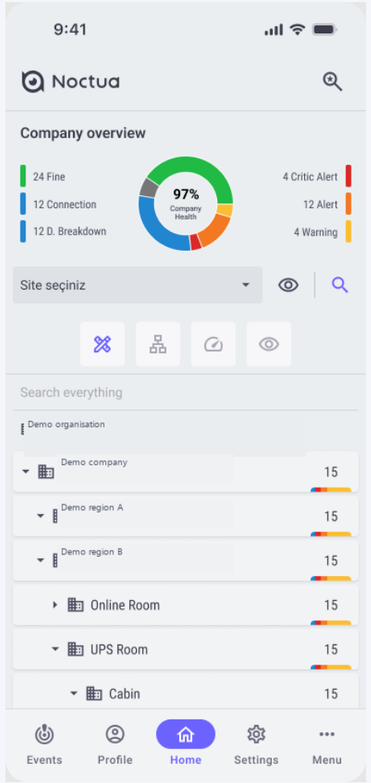
Threshold exceptions, consumption and efficiency.

04 **Physical access** 10-11

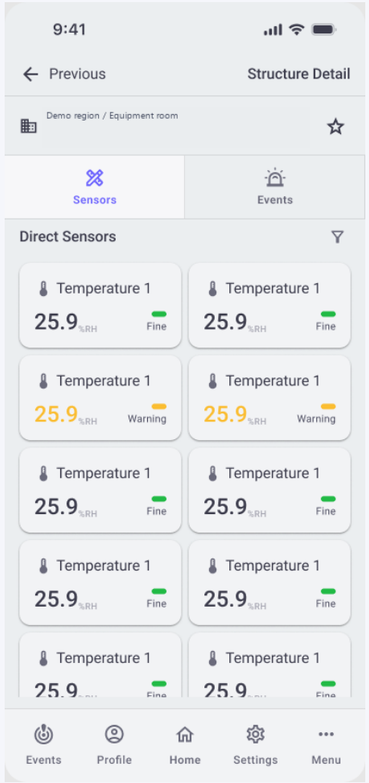
Door selection and a timeline that can focus on access and images.

APP OVERVIEW

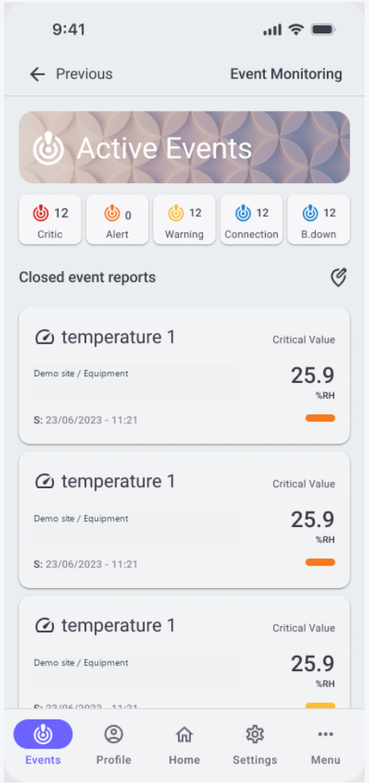
From company health to a specific event



Home / Company overview



Structure Detail / Sensors



Event Monitoring

DESIGN CHALLENGE

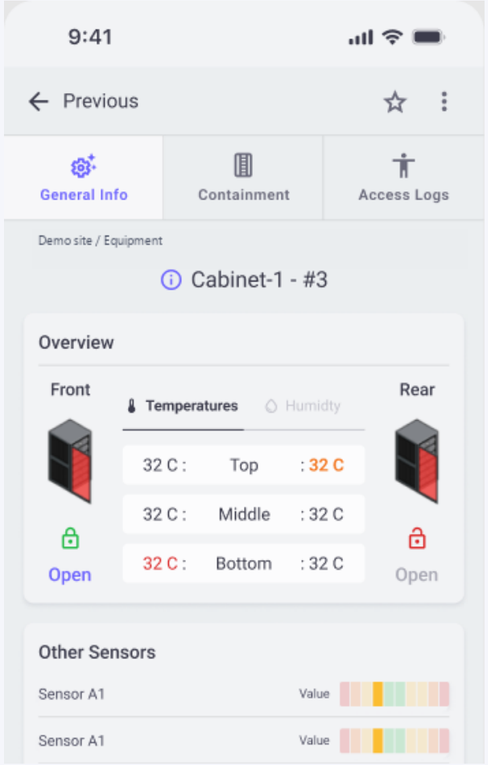
The home view needs to make overall status visible while giving operators a way into a particular site, sensor or event.

DESIGN RESPONSE

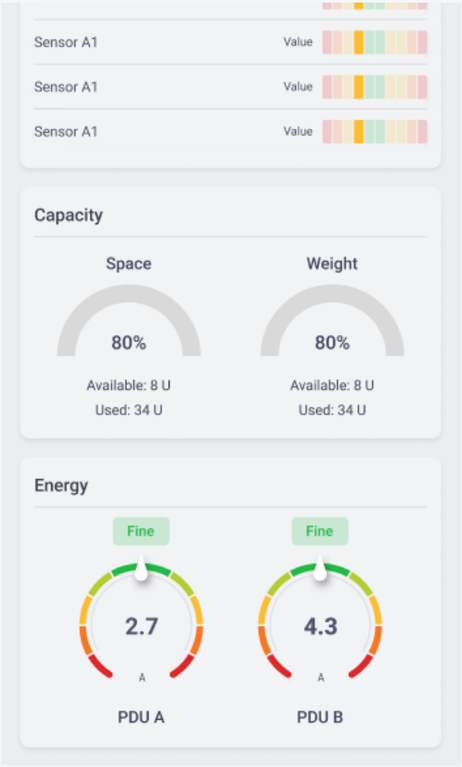
Pair a health summary with a location hierarchy. Give sensor readings and active events their own views so operators can follow the signal they are investigating.

EQUIPMENT MONITORING

Read cabinet status in layers



Overview and sensor status



Capacity and energy

DESIGN CHALLENGE

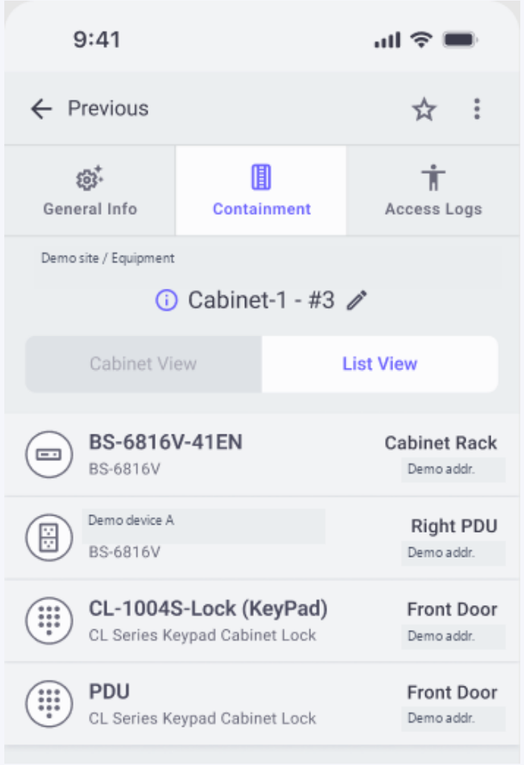
Cabinet data includes door state, environmental readings, capacity and power. A phone screen has limited room for all four.

DESIGN RESPONSE

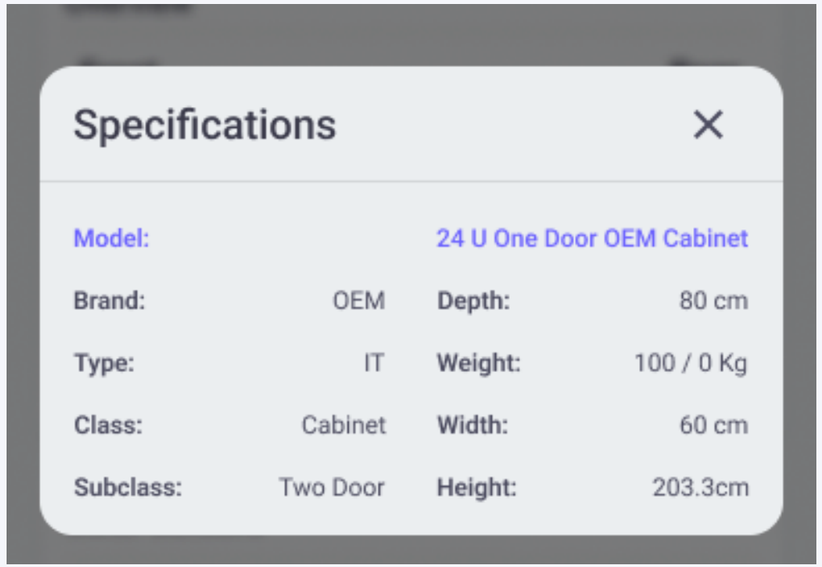
Lead with the front and rear overview. Keep sensor readings, capacity and PDU measurements in separate sections further down.

EQUIPMENT MONITORING

Find the device or specification you need



Containment list



Specifications sheet

DESIGN CHALLENGE

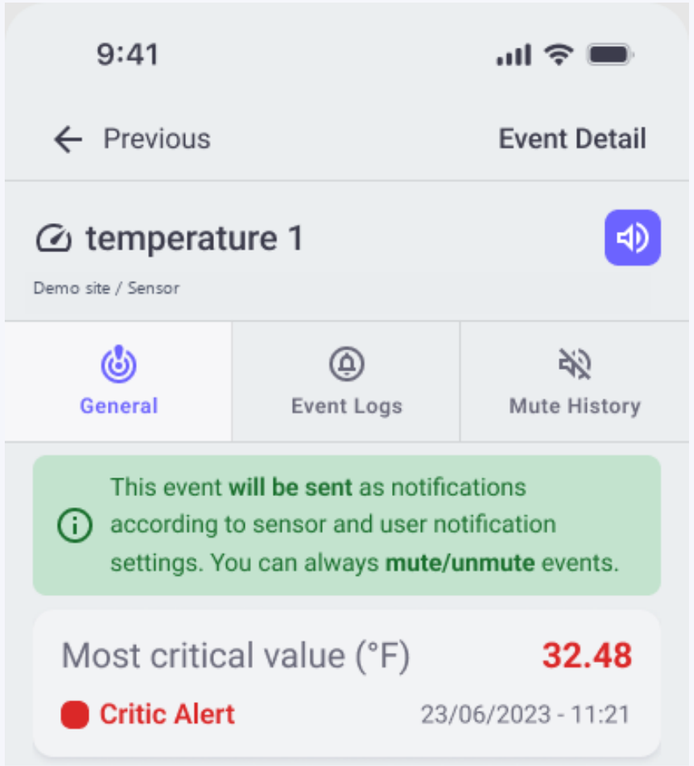
The user may need to identify equipment inside a cabinet or check physical dimensions without losing the cabinet context.

DESIGN RESPONSE

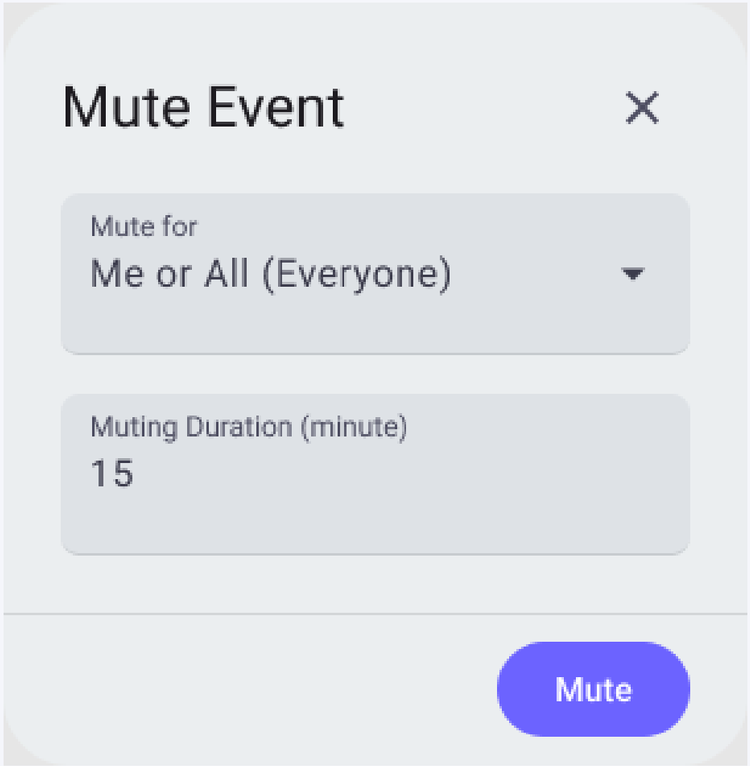
Separate the equipment list from the overview. Use a focused specification sheet for dimensions, weight and model information.

ALARM MANAGEMENT

Act on an event with its context visible



Event status and critical value



Mute scope and duration

DESIGN CHALLENGE

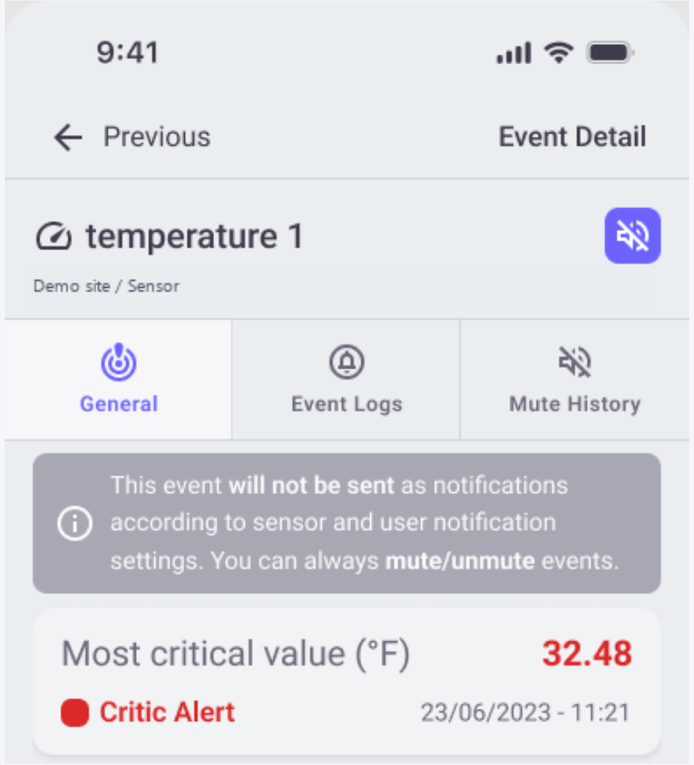
An operator may need to silence a notification while investigating it, with different implications for their own account and the team.

DESIGN RESPONSE

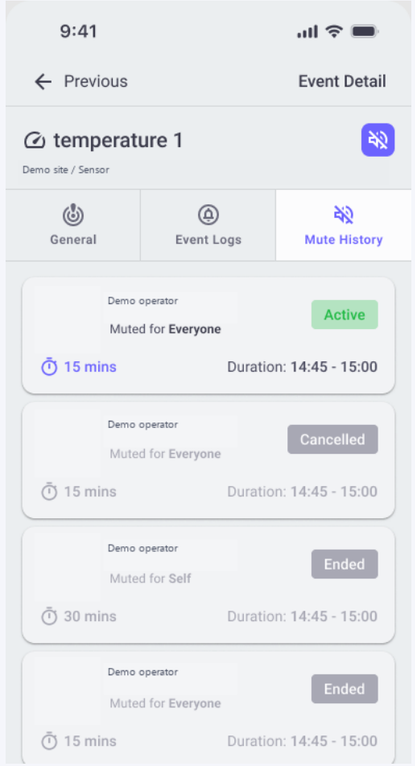
Keep the event summary in view and ask explicitly who the mute applies to and for how many minutes.

ALARM MANAGEMENT

Make notification state and history visible



Muted notification state



Mute history

DESIGN CHALLENGE

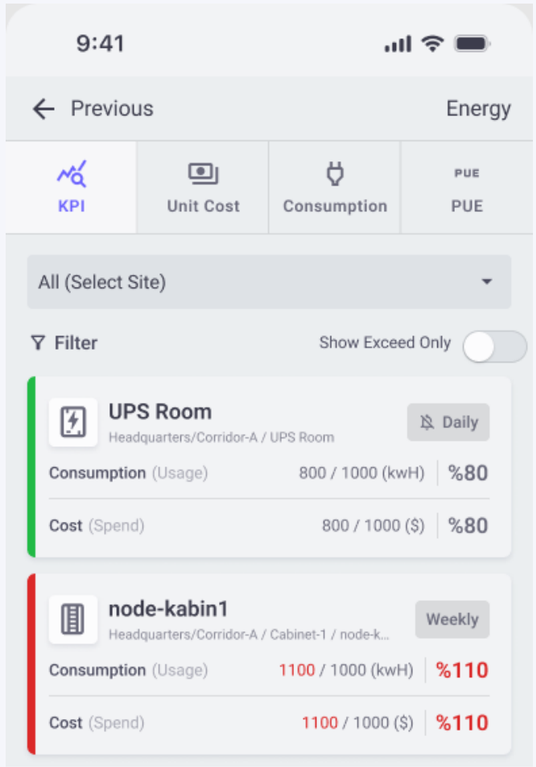
A muted event still needs to be investigated. Operators also need to understand what was muted and for how long.

DESIGN RESPONSE

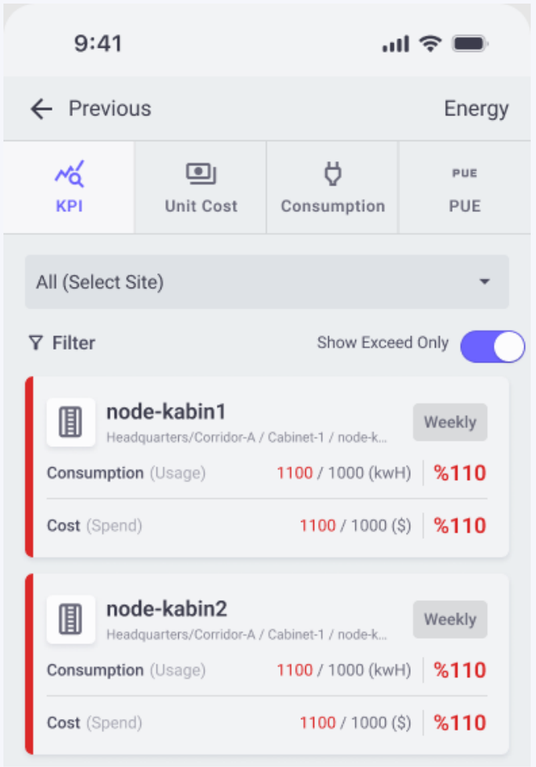
Show the notification state at the top of Event Detail and use a separate history for active, cancelled and ended mutes.

ENERGY TRACKING

Filter to the readings that exceed limits



All KPI readings



Show Exceed Only

DESIGN CHALLENGE

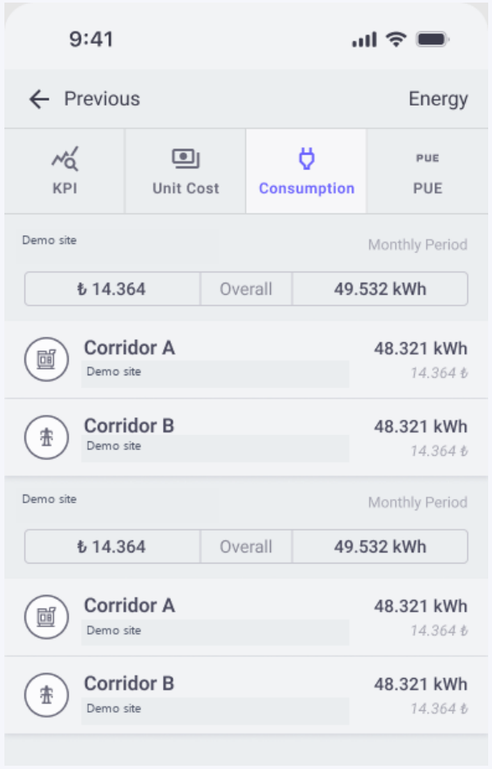
Reviewing every KPI can hide the locations that have crossed a consumption or cost threshold.

DESIGN RESPONSE

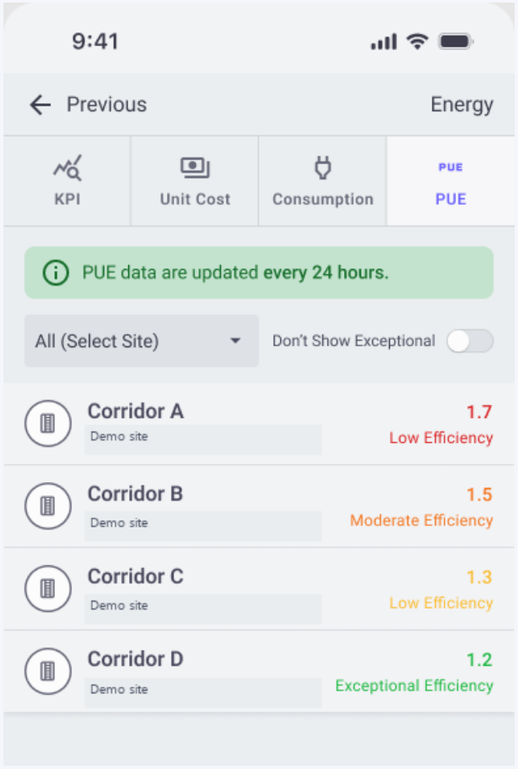
Use one switch to narrow the list while retaining the measured value, threshold, percentage and reporting period on each card.

ENERGY TRACKING

Separate energy use from efficiency



Consumption by site



PUE and efficiency labels

DESIGN CHALLENGE

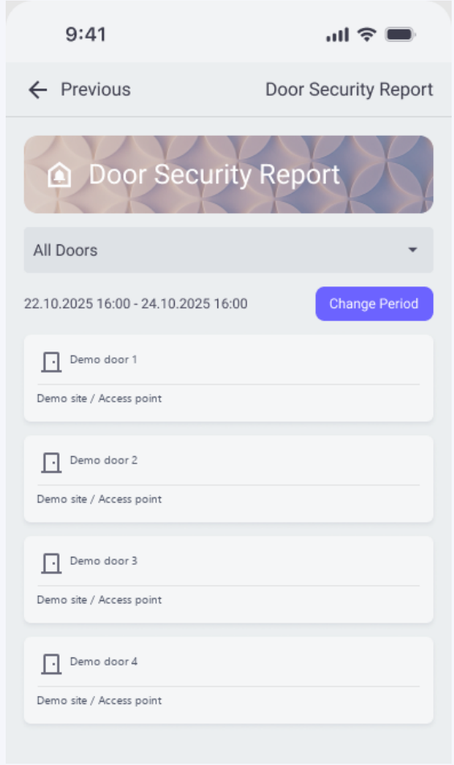
Consumption and power usage effectiveness answer different questions, even when the measurements come from the same locations.

DESIGN RESPONSE

Give each metric its own view. Group consumption by site and pair PUE values with efficiency labels and the update cadence.

PHYSICAL ACCESS

Choose a door and a reporting window



Door selection and reporting period

DESIGN CHALLENGE

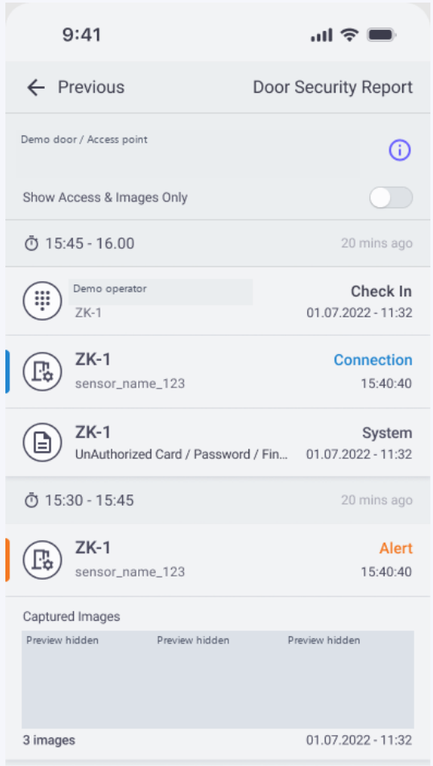
An access investigation starts by narrowing the report to a relevant door and time period.

DESIGN RESPONSE

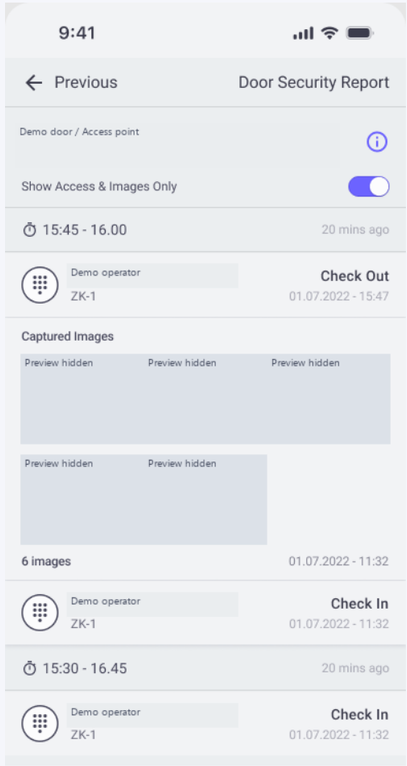
Place door and period controls above the list and show each door’s location so operators can identify the right access point.

PHYSICAL ACCESS

Switch from full timeline to access evidence



Full activity timeline



Access and images only

DESIGN CHALLENGE

Access entries, system events and camera evidence compete for space in a narrow view.

DESIGN RESPONSE

Group the evidence by time and offer a switch that keeps access entries and image evidence in view while filtering out other event types.

PRODUCT DESIGN AND DELIVERY

Noctua

Operational data, within reach.

The mobile work spans equipment inspection, alarms, energy and physical access. Each flow prioritises the information an operator needs first and makes supporting detail available when needed.

LIVE B2B SAAS

MOBILE PRODUCT DESIGN

HTML/CSS CONTRIBUTIONS

Selected Figma screens. Names, locations and camera previews are replaced or hidden in the portfolio examples.