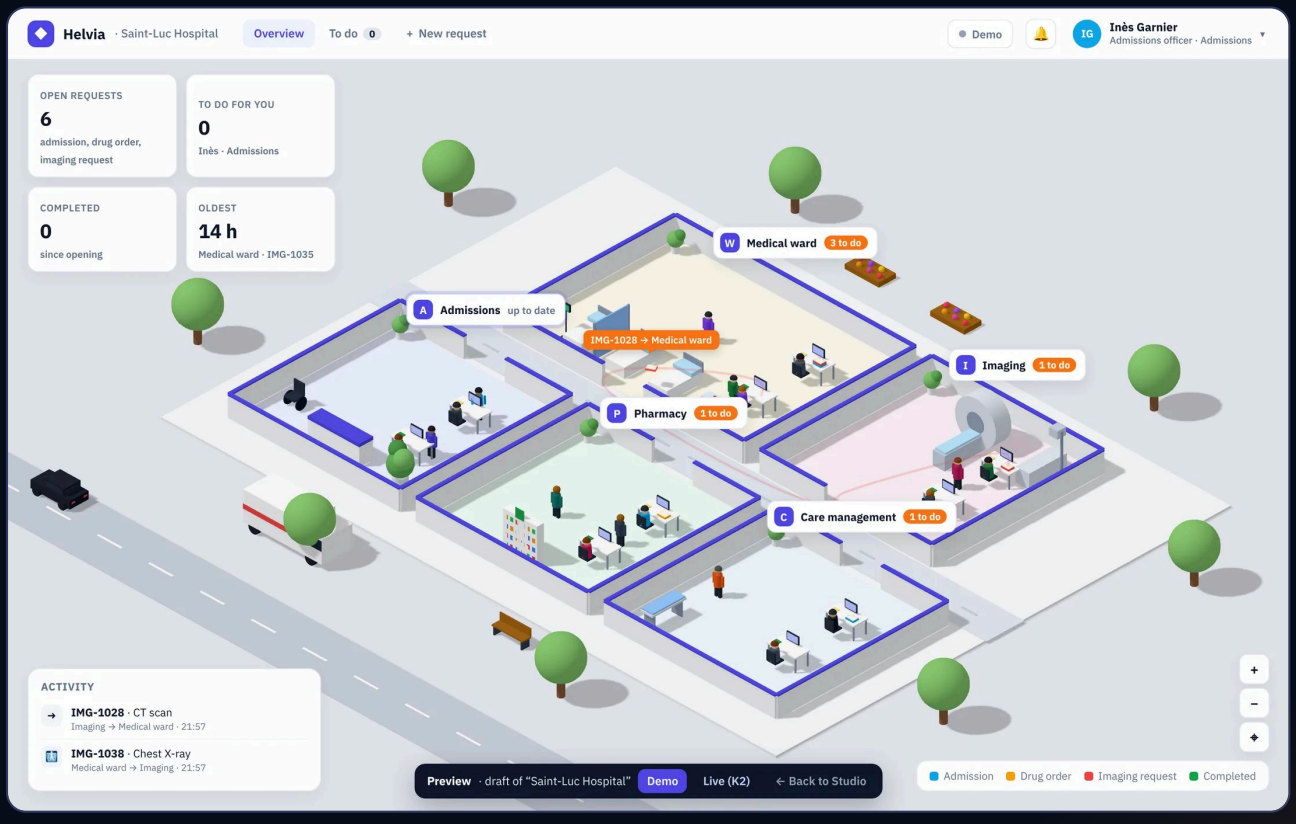
Helvia Studio

Your company in 3D, inside Nintex K2 User guide

Build a living space from a template, place your rooms, people and objects, and run it in K2 as a form where each person sees their own tasks.



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01 Before you start

Helvia turns your departments, your people and your K2 workflows into a living 3D space. Each request is a folder that travels from room to room as its steps are done. You design the space in Helvia Studio, then download one K2 package: inside K2, the space is a form where each person sees their own tasks and handles them with the real K2 forms.

Two modes

Demo

Simulated requests move by themselves. Visitors pick a person in the menu and make simulated decisions. Nothing is read from K2: perfect to present the idea or test a layout.

Live

Inside K2, with the session of the person signed in. Their tasks come from K2, their K2 forms open in the panel, and the decisions are real.

What you need in K2 (Live)

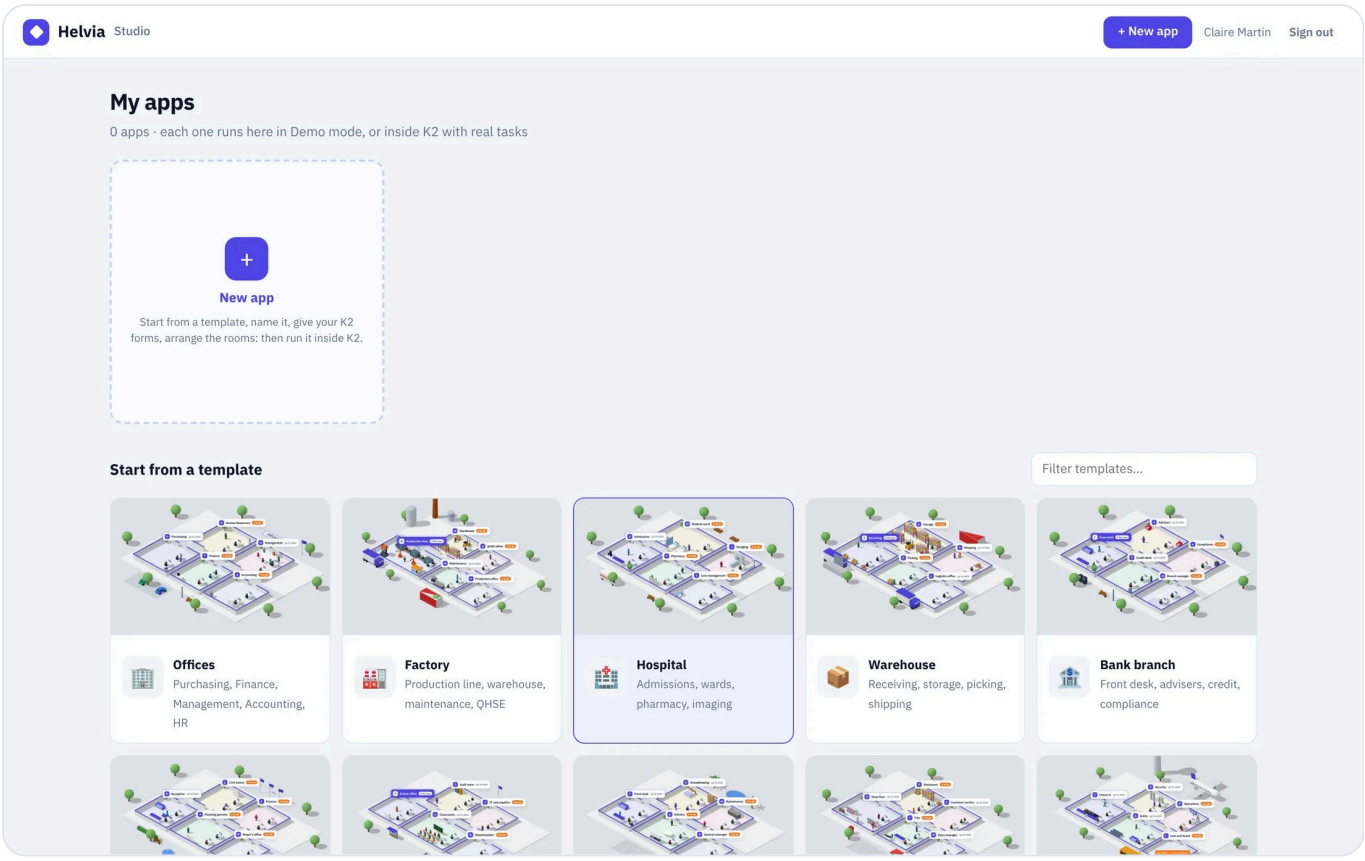
1. **The Workflow REST API** enabled in K2 Management › Integration › APIs: each person's tasks, their forms and their decisions.
2. **SmartObject OData** with the worklist SmartObject published (Workflow Reports › Workflow General › `Activity Instance Destination`), to show everyone's tasks on the map. Without it, each person sees only their own tasks.
3. **The K2 start forms** of your request types, and the K2 accounts of the people.
4. **The right to deploy a package** (K2 Management › Packages, or the Deploy-Package command).

Words used in this guide

WORD	MEANING
App	One space designed in the Studio: its rooms, people, request types and floor.
Room	A department or a place. Each workflow step happens in a room.
Request type	A kind of request (Admission, Purchase request…), with its K2 start form, icon, colour and steps.
Folder	One request in progress, shown as a folder in the room of its current step.
Task	The K2 task of a person, waiting for their decision.

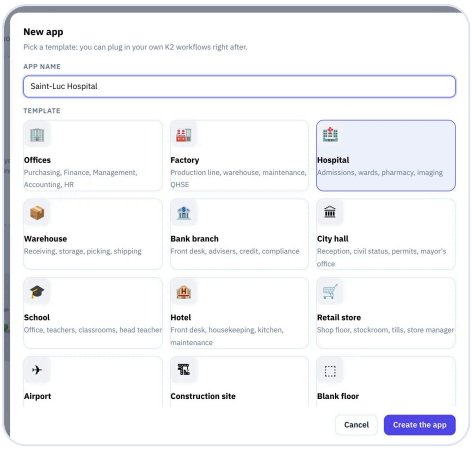
02 Create an app

Open **ai.fluxcaster.com/helvia/studio** and create an account with your name, email and a password (8 characters at least). The same account opens Vigia Studio.



My apps: your apps on top, then the 12 templates shown in 3D, with a filter.

1. Click a template, or **+ New app**.
2. Give the app a name; you can still change the template in the dialog.
3. Click **Create the app**: the Studio opens on step 1, with the template's rooms, people, request types and decor in place.



Which template?

Pick the world that looks like your organisation. Every template can become anything: rooms, people and objects are all editable.

Up to 20 apps per account. The draft is saved as you go.



TEMPLATE

Offices

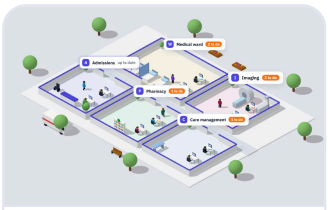
Purchasing, finance, HR: the classic approval flows



TEMPLATE

Factory

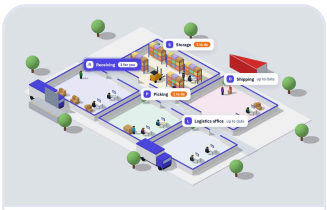
Production, warehouse, maintenance, quality



TEMPLATE

Hospital

Admissions, wards, pharmacy, imaging



TEMPLATE

Warehouse

Receiving, storage, picking, shipping



TEMPLATE

Bank branch

Front desk, advisers, credit, compliance



TEMPLATE

City hall

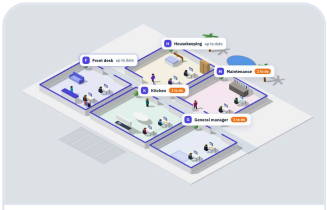
Civil status, permits, mayor's office



TEMPLATE

School

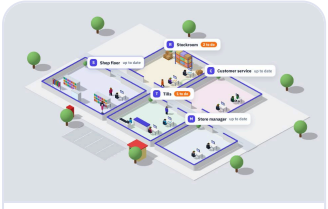
Office, teachers, classrooms



TEMPLATE

Hotel

Front desk, housekeeping, kitchen, maintenance



TEMPLATE

Retail store

Shop floor, stockroom, tills, manager



TEMPLATE

Airport

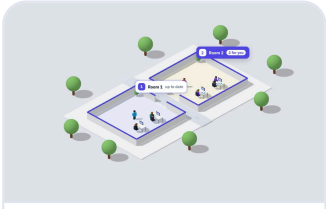
Check-in, security, gates, operations



TEMPLATE

Construction site

Site office, works, safety, deliveries

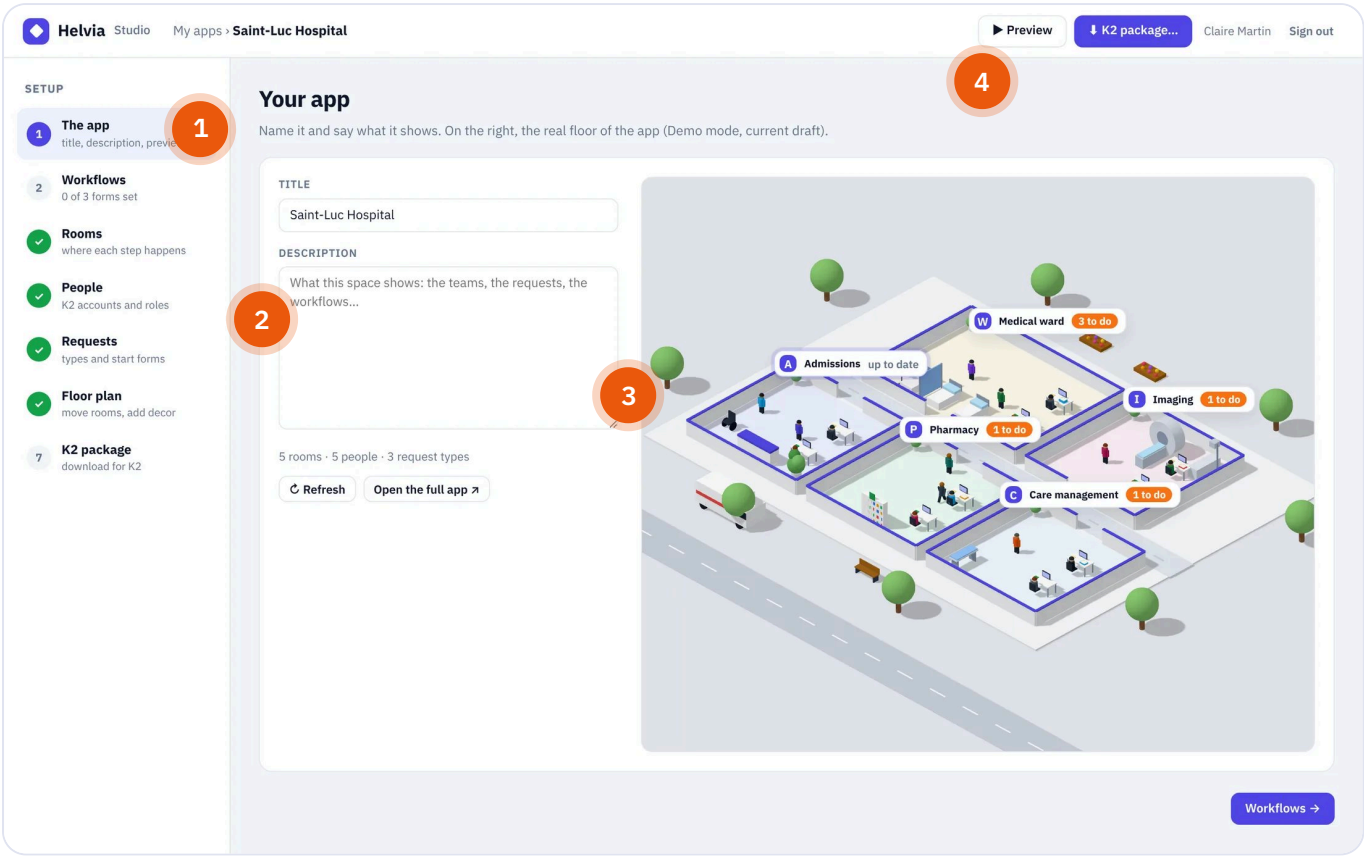


TEMPLATE

Blank floor

Two rooms: build everything yourself

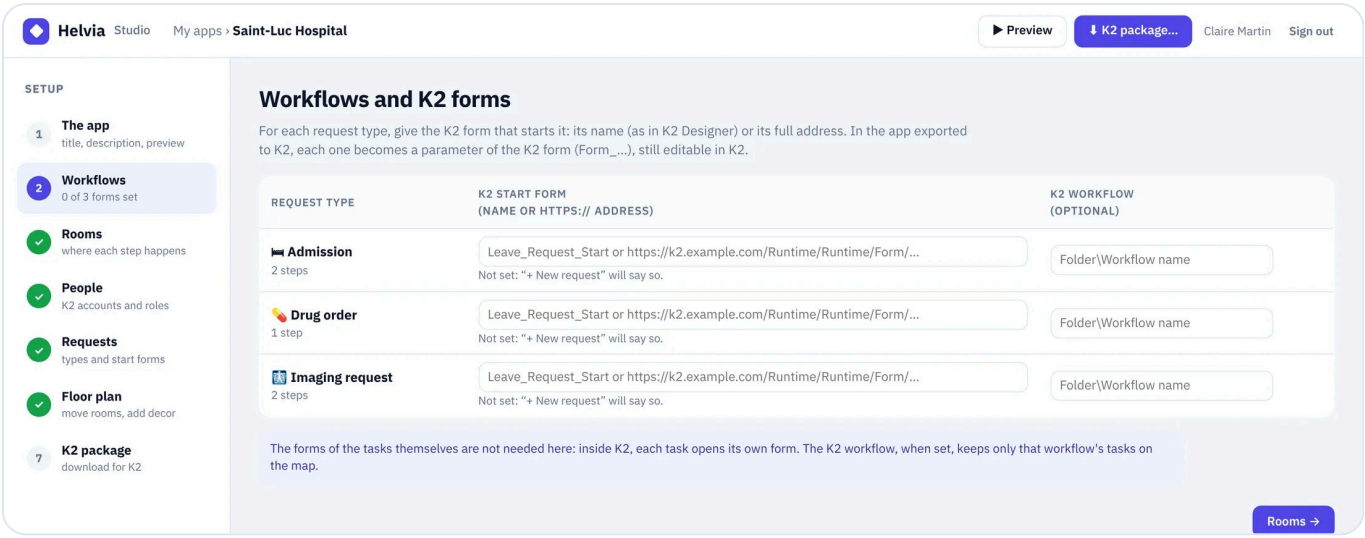
03 The app



Step 1, The app: the title and description on the left, the real floor of the app on the right.

1. **The 7 steps** of the Studio. A green tick means the step is complete.
2. **Title and description**: shown in My apps and in the app.
3. **The floor**, live, in Demo mode. **Refresh** after a change, **Open the full app** to see it with its menus.
4. **Preview** (the full app in a new tab) and **K2 package...** (step 7).

04 Workflows and K2 forms

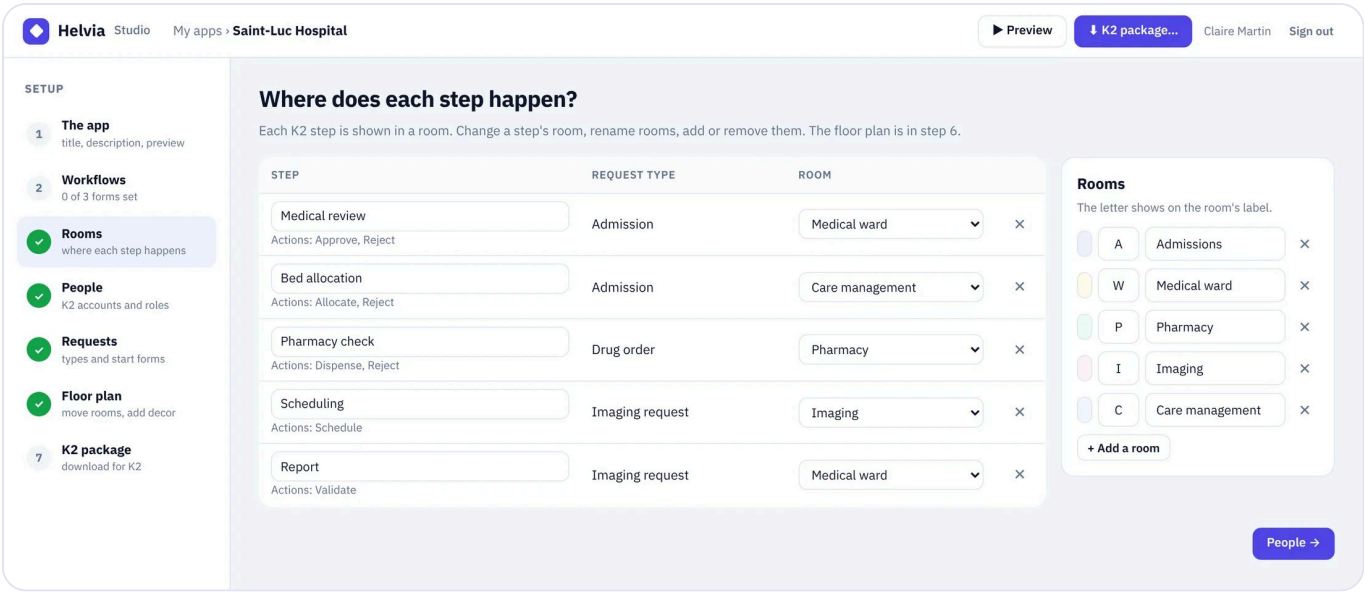


Step 2: one line per request type.

- **K2 start form**: the form that starts the request, by its name as in K2 Designer (for example `Leave_Request_Start`) or its full address (https://...). The field checks what you type. Inside K2, "+ New request" opens this form.
- **K2 workflow** (optional): `Folder\Workflow`. When set, only the tasks of that workflow are shown for this request type.
- The forms of the tasks are not needed: inside K2, each task opens its own form.

> **NOTE** Each start form becomes a **parameter of the K2 form** (`Form_Admission`, `Form_Drug_order`...). You can change it later in K2 Designer, without a new export.

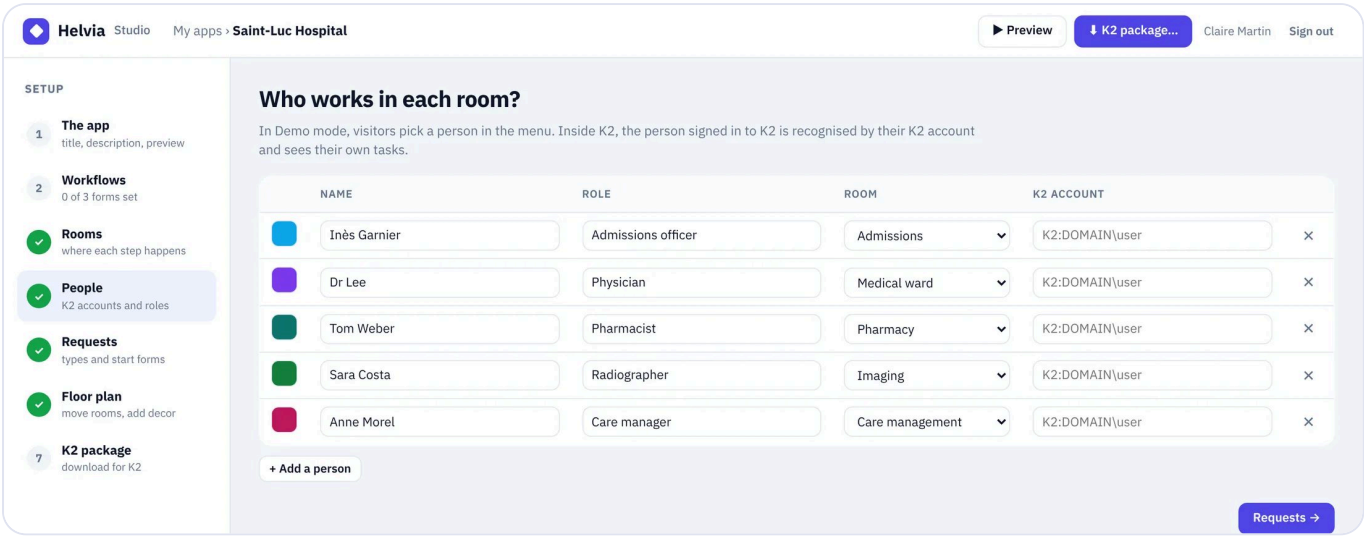
05 Rooms



Step 3: each workflow step on the left, the rooms on the right.

- Choose the room of each step. A request's folder moves to that room when the step is reached.
- Rename a step (the name shown on the folders); its K2 actions are listed under it.
- **+ Add a room**, rename it, give it a **letter** (shown on its label), or remove it. Up to 24 rooms.
- The position and size of the rooms are set in step 6, Floor plan.

06 People

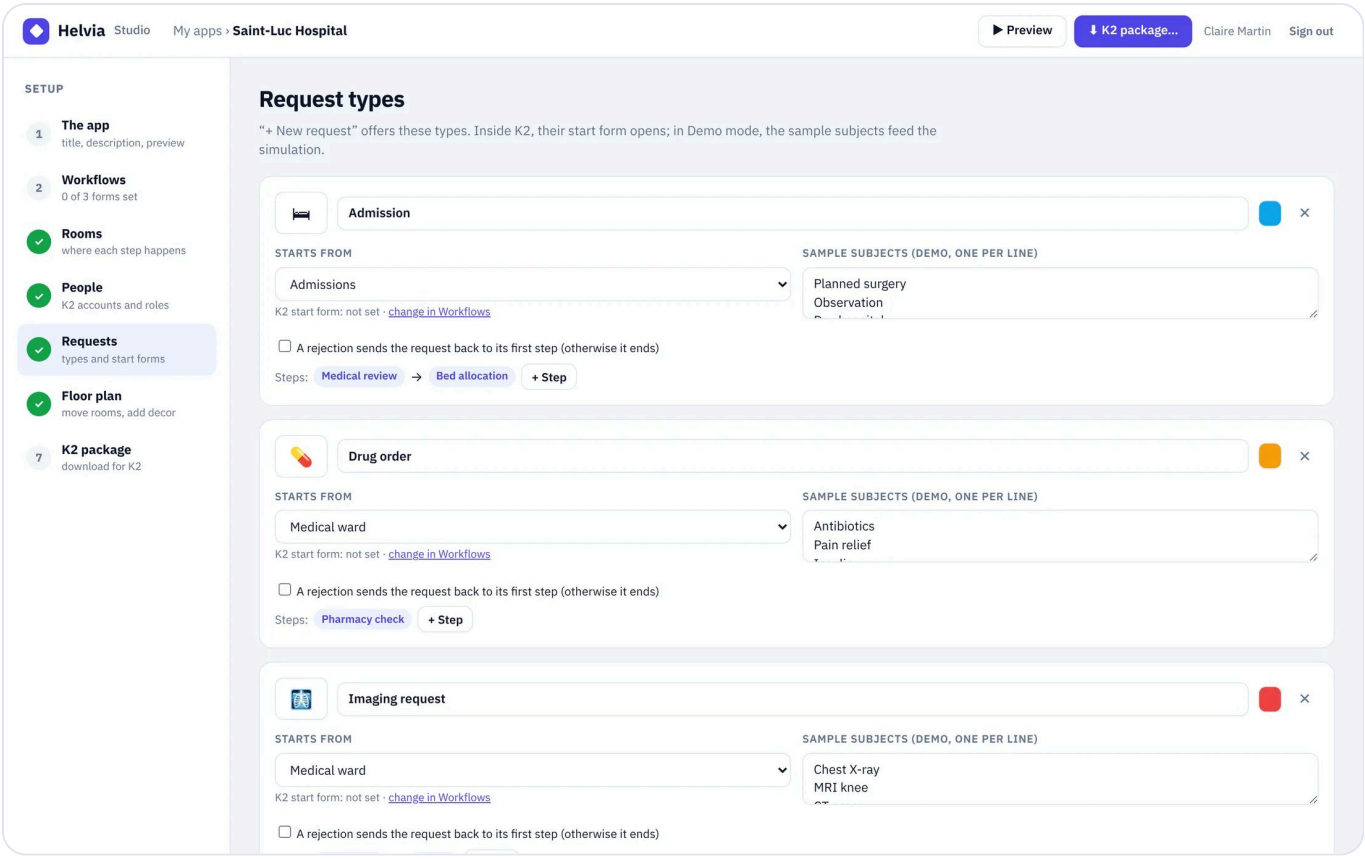


Step 4: the people of the app.

FIELD	USE
Colour	Click the swatch to change the colour of the person's avatar.
Name, role	Shown in the menu, on the tasks and in the activity.
Room	Where the person sits; a desk is placed for them.
K2 account	For example `K2:DOMAIN\user`. Inside K2, the person signed in is recognised by this account and sees their own tasks. Someone signed in who is not in the list is added as a guest in the first room.

TIP Copy the account exactly as K2 shows it in a worklist (label and domain). Up to 40 people.

07 Request types

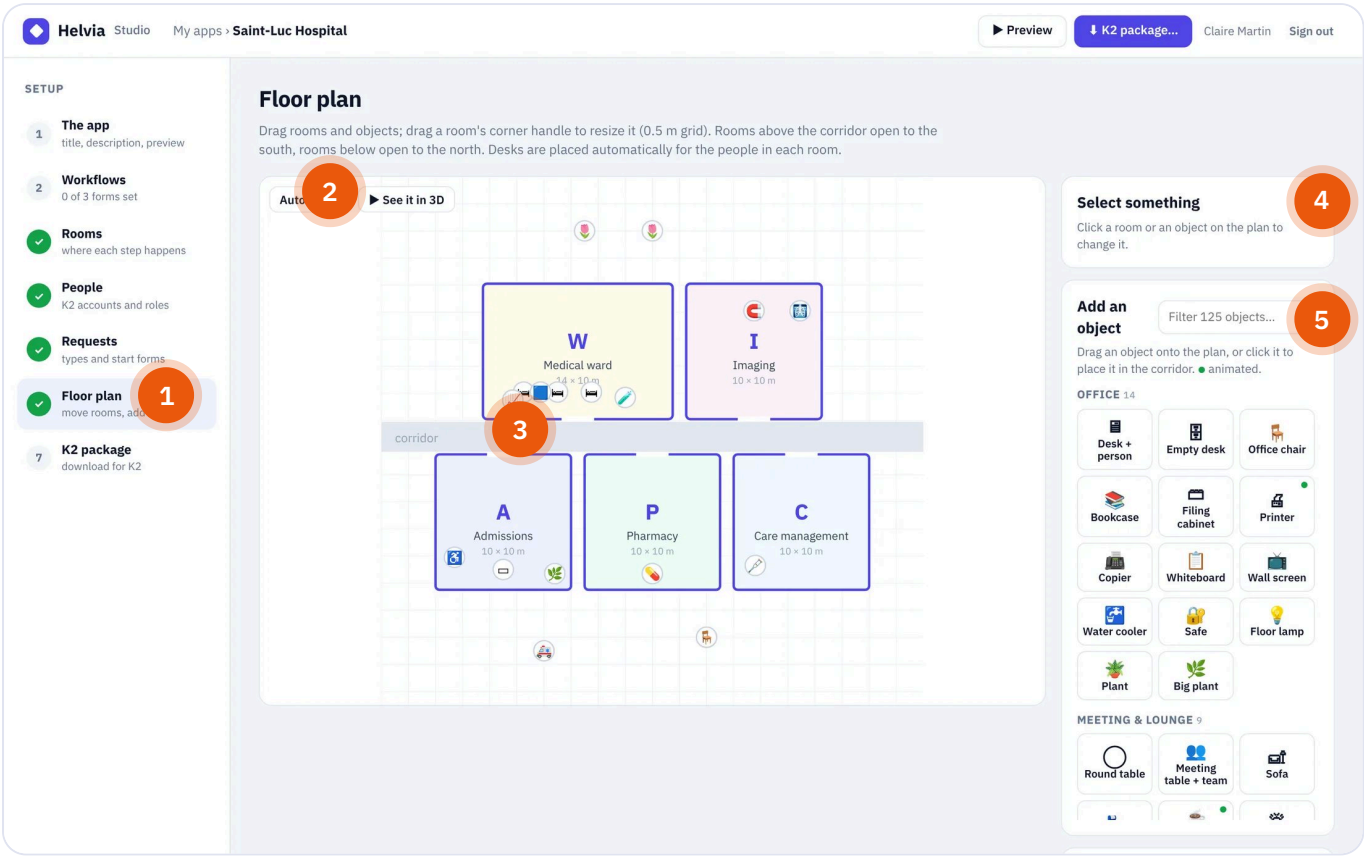


Step 5: one card per request type.

- **Icon** (an emoji), **name** and **colour** of its folders.
- **Starts from**: the room where new requests appear. The K2 start form is shown below; change it in step 2.
- **Sample subjects** (Demo only): one per line, used by the simulation ("Planned surgery", "Chest X-ray"...).
- **A rejection sends the request back to its first step**; otherwise a rejection ends it.
- **Steps**: the path of the request, from room to room. **+ Step** adds one.

Up to 12 request types per app.

08 Floor plan



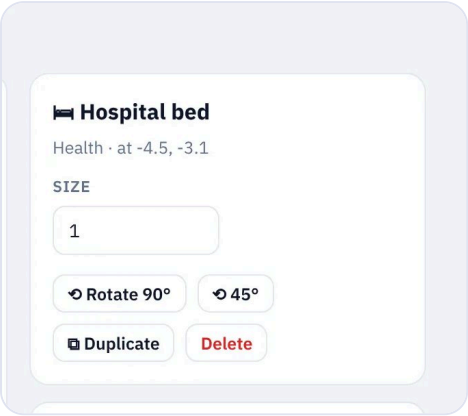
Step 6, Floor plan.

1. The steps of the Studio.
2. **Auto layout** places the rooms around the corridor; **See it in 3D** opens the preview.
3. **The plan**, seen from above, on a 0.5 m grid.
4. The settings of the selected room or object.
5. **Add an object**: 125 objects in 14 sections, with a filter.

Rooms

- Drag a room to move it; drag its bottom-right corner to resize it. Rooms above the corridor open to the south, rooms below it to the north.
- Select a room to set its **width and depth** (4 to 60 m), its **door** (north, south, west or east) and its number of **desks** (0 = one per person).
- Rooms that overlap are outlined in red.

Objects



A selected object.

Drag an object from the palette onto the plan, or click it to place it in the corridor. Select it to change it:

- **Size** from 0.5 to 3, **Rotate** by 90° or 45°, **Duplicate**, **Delete**.
- **Text** for the floor logo and signs (40 characters).
- **Length** for conveyors, roads, hedges, fences and floor lines (1 to 40 m).

Up to 400 objects per app. Animated objects: Printer, Coffee machine, Fountain, Flagpole, Robot arm, Conveyor, Chimney, Warning light, Patient monitor, Baggage belt, Tower crane, Cement mixer.

Office 14
Desk + person, Empty desk, Office chair, Bookcase, Filing cabinet, Printer, Copier, Whiteboard, Wall screen, Water cooler, Safe, Floor lamp, Plant, Big plant

Meeting & lounge 9
Round table, Meeting table + team, Sofa, Armchair, Coffee machine, Reception desk + host, Counter, Rug, Coffee table

Nature 9
Tree, Pine tree, Palm tree, Bush, Flower bed, Rock, Pond, Hedge, Lawn

Outdoor & city 12
Bench, Street lamp, Fountain, Fence, Road, Parking bays, Bike rack, Bin, Flagpole, Bus stop, Building, Kiosk

Factory 15
Machine, CNC machine, Press, Robot arm, Conveyor, Paint booth, Quality gate, Packing station, Control panel, Tank, Silo, Chimney, Warning light, Workbench + tools, Engine

Warehouse & logistics 8
Pallet rack, Pallet of boxes, Stack of boxes, Forklift, Loading dock, Container, Crate, Hand truck

Vehicles 8
Car, Van, Truck, Bus, Bicycle, Tractor, Ambulance, Boat

Health 9
Hospital bed, Wheelchair, Stretcher, Medical cart, Patient monitor, MRI scanner, Privacy screen, Pharmacy shelf, X-ray table

Shop & café 9
Checkout, Shop shelf, Fridge, Clothes rack, Mannequin, Café table + chairs, Bar stools, Vending machine, Cash machine

Hotel & home 6
Double bed, Wardrobe, Kitchen unit, Dining table, Luggage trolley, Bathtub

School & public 6
Student desks, Blackboard, Lectern, Row of chairs, Lockers, Globe

Airport 5
Plane, Gate seats, Baggage belt, Control tower, Security gate

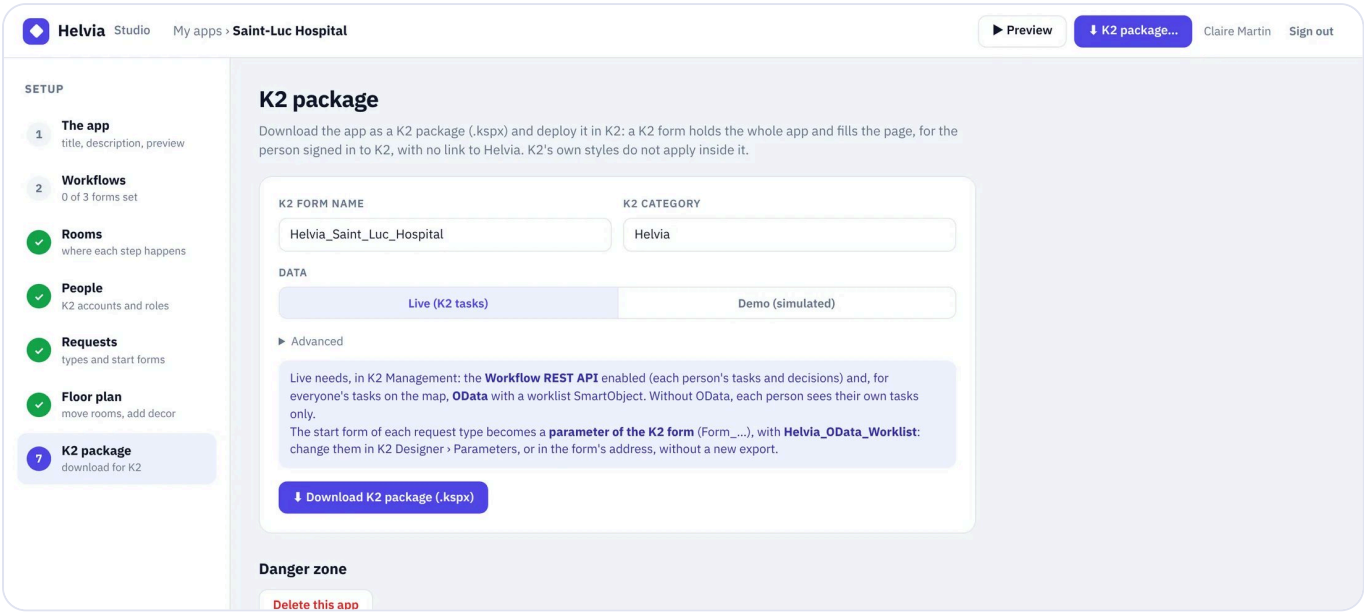
Construction 8
Tower crane, Excavator, Cement mixer, Traffic cones, Barrier, Scaffolding, Pallet of bricks, Site hut

People & signs 7
Person standing, Group chatting, Person seated, Floor logo / text, Floor arrow, Floor line, Signpost

Life in the scene

SETTING	RANGE	EFFECT
People walking	0 to 40	Characters going from room to room through the doors and the corridor.
Cars and vans	0 to 12	Traffic on the road south of the building.
Trucks	0 to 4	Trucks on the same road.
Speed	×0.25 to ×3	Speed of everything that moves.
Animated machines	on / off	Robots, conveyors, smoke, flags, monitors…

09 K2 package



Step 7: download the K2 package.

1. Check the **K2 form name** (letters, digits and _, for example `Helvia_Saint_Luc_Hospital`) and the **K2 category**.
2. Choose **Live** (K2 tasks) or **Demo** (simulated, no K2 call).
3. Optional, under **Advanced**: the OData worklist entity set (empty: found automatically) and the refresh time (8 to 300 seconds, 12 by default).
4. Click **Download K2 package (.kspx)**. The package is always made from the current draft.
5. Deploy it in K2 Management › Packages, then open the form: from K2 Designer, or at `/Runtime/Runtime/Form/<form name>/`.

What the package contains

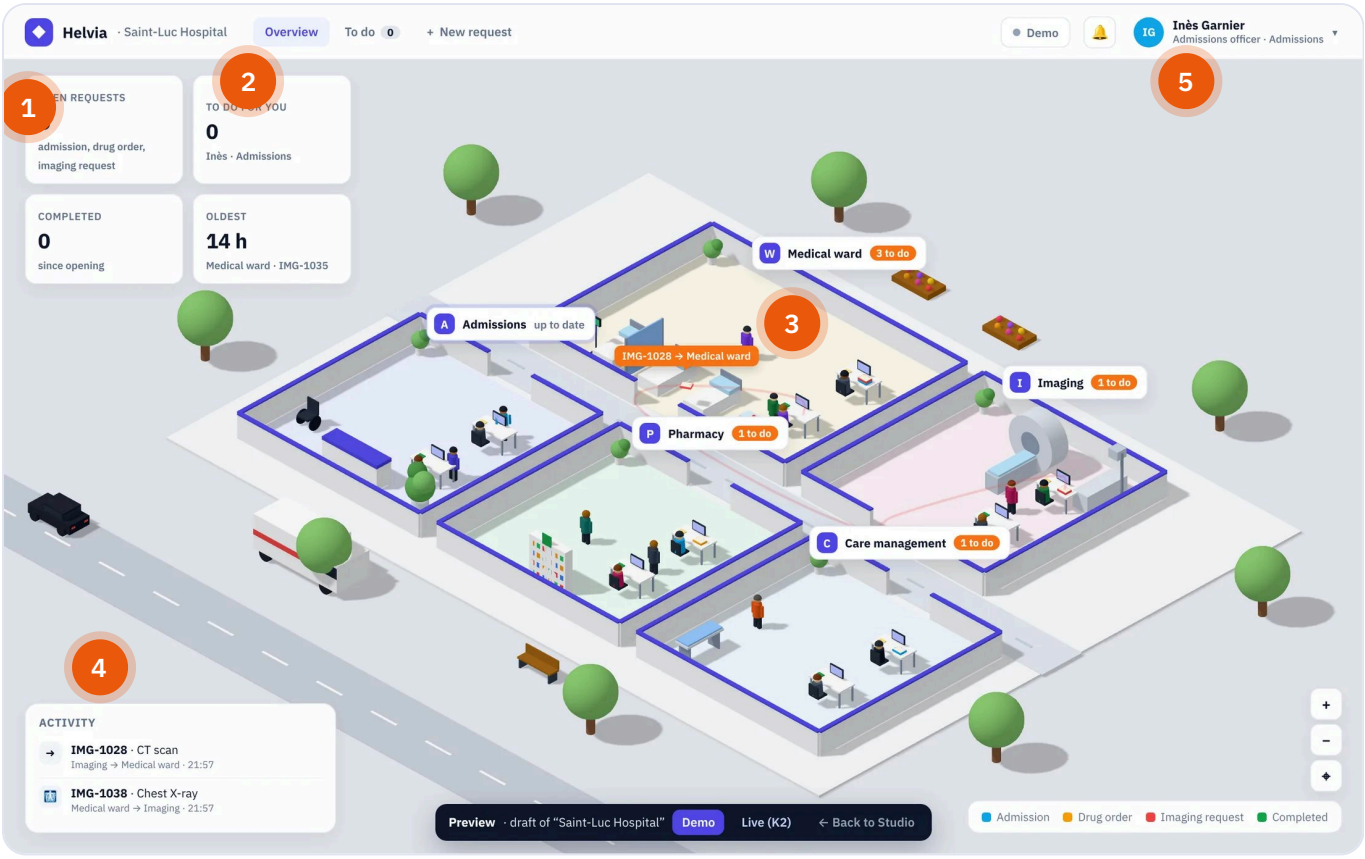
One K2 view and one K2 form. The view holds three data labels you can read in K2 Designer: **Helvia HTML**, **Helvia CSS** and **Helvia JS** (the 3D engine and your app). The app fills the page; K2's own styles do not apply inside it, and it has no link back to Helvia. Deploying a new package of the same app, with the same form name, updates the view and the form in place.

Form parameters

Change them in K2 Designer › form › Parameters, or in the form's address, without a new export.

PARAMETER	DEFAULT	USE
`Form_<request type>`	The start form set in step 2	One per request type (for example `Form_Admission`). Empty: the type cannot be started, and the panel names the parameter to fill.
`Helvia_OData_Worklist`	Advanced setting, or empty	Entity set of the worklist SmartObject. Empty: found automatically.

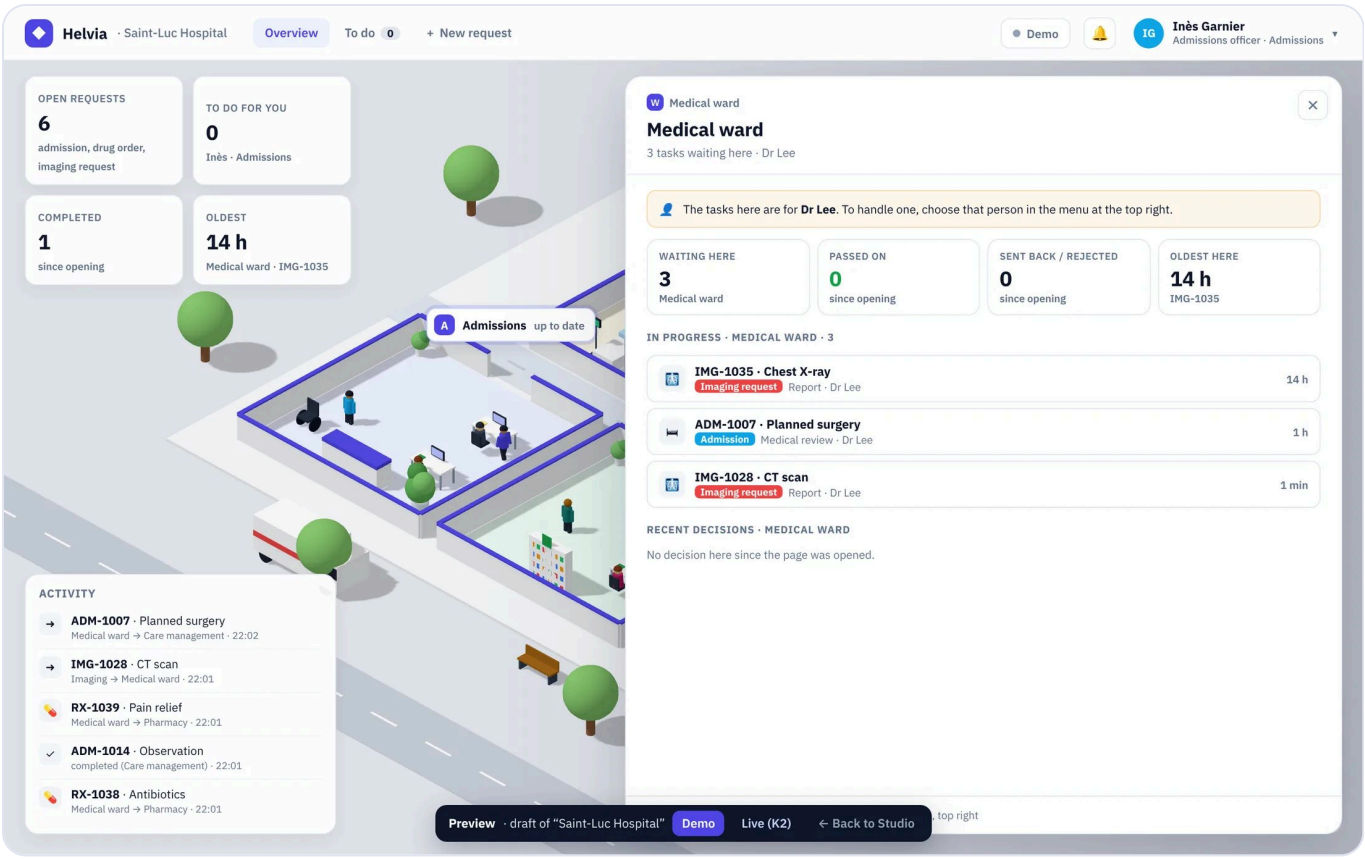
10 Using the app



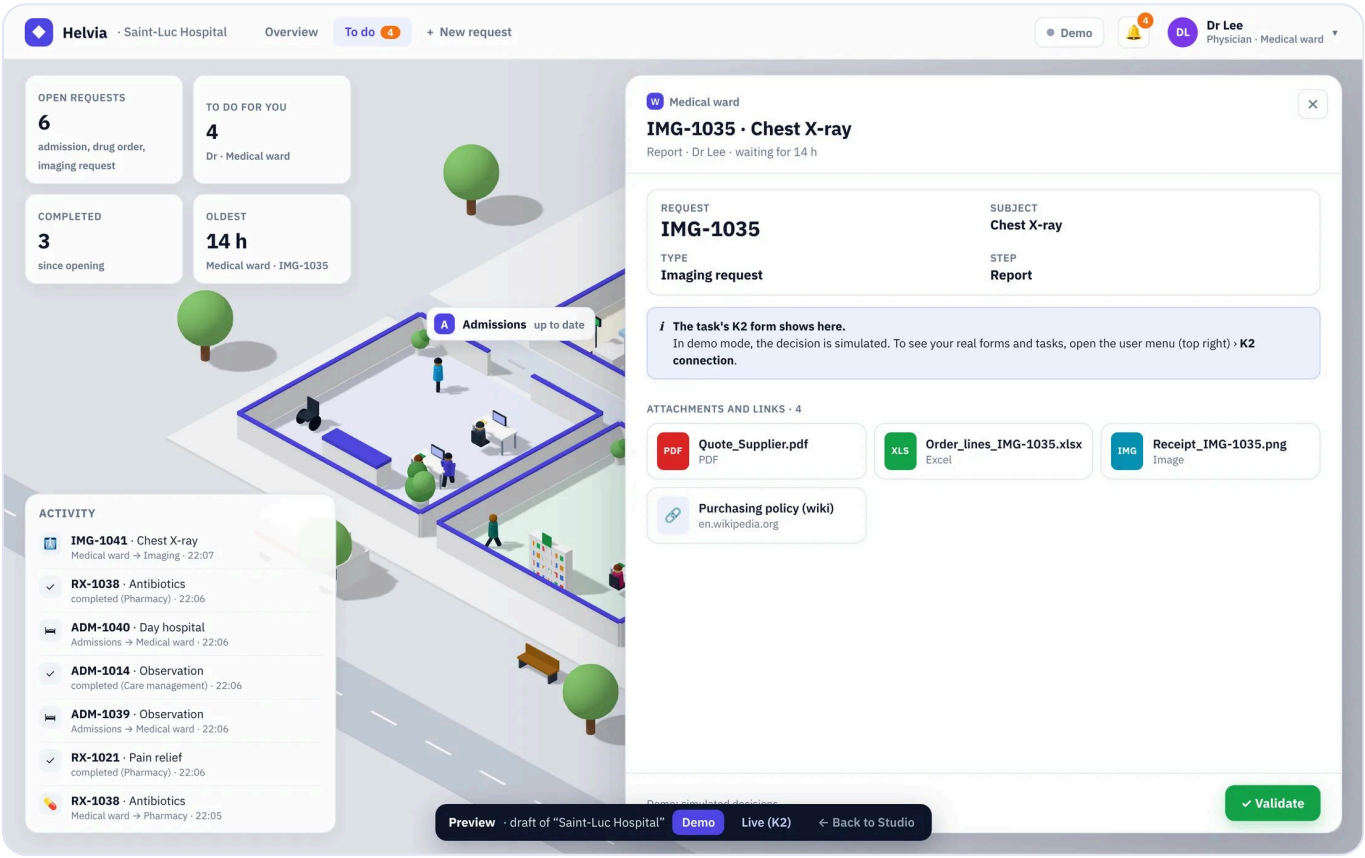
The app: indicators on the left, the building in the middle, the activity at the bottom.

1. **Indicators**: open requests, to do for you, completed, the oldest. Click one to see its list.
2. **Overview**, **To do** (your tasks, also behind the bell) and **+ New request**.
3. **Room labels**: "3 to do" or "up to date". Click a label, a room or a folder.
4. **Activity**: the latest moves and decisions.
5. **The person**: inside K2, the one signed in; in Demo, choose who you are.

A room, a task

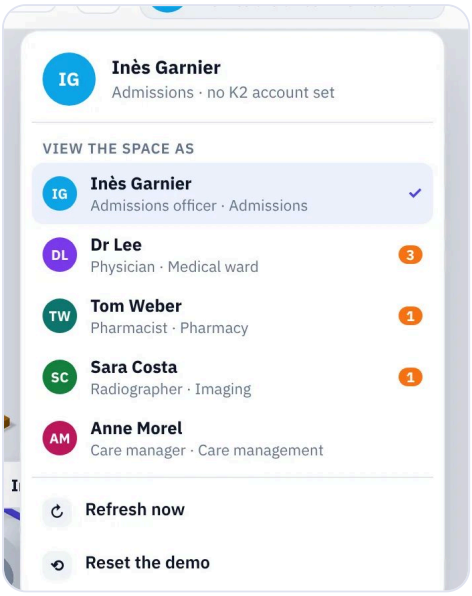


A room: what waits here, what passed on, what was sent back, and the oldest.



A task: its request, subject, type and step, its attachments and links, and the K2 form.

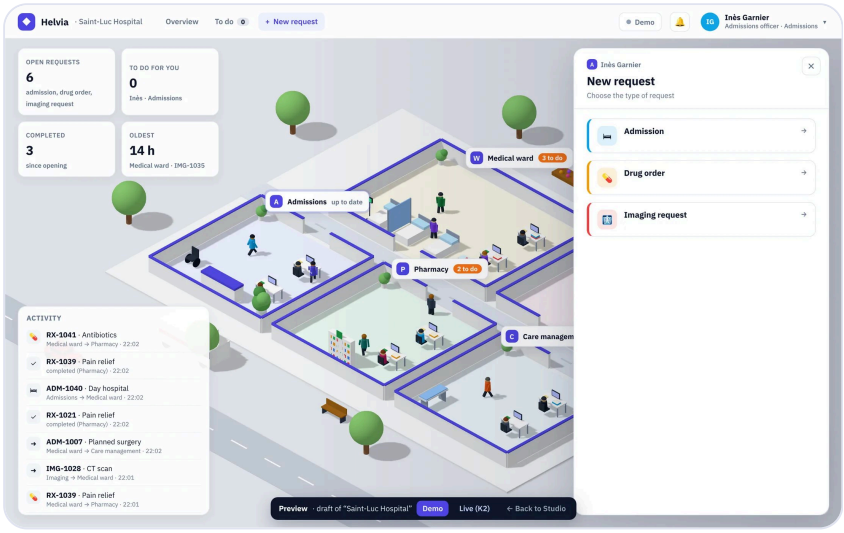
- Inside K2, the task's **K2 form opens in the panel**; decide with the form's own buttons. The map is read again afterwards.
- The task of another person opens **read only**.
- **+ New request** lists the request types; choose one and its K2 start form opens.



Demo: view the space as another person.

In Demo mode

The menu at the top right lets visitors view the space as each person, with the number of tasks waiting for them. Decisions are simulated, new folders appear by themselves, and **Reset the demo** starts again. Nothing is sent to K2.



+ New request: the request types of the app.

11 Designing a good space

A good Helvia space is understood in five seconds: where the work is, who has it, what is late. Resist the urge to furnish everything; the folders must remain the stars.

Six rules

1 · One room per team or step

Three to eight rooms read best. Merge rare steps into one room rather than adding tiny rooms nobody visits.

2 · Name rooms as people say them

“Pharmacy”, “Finance”, not the technical step names. Give each room a letter that stands out on its label.

3 · Follow the path of the work

Place rooms in the order of the steps so folders move in one direction. The start room near the entrance.

4 · One colour per request type

Distinct colours (blue, amber, red…) make the types readable at a glance, on the map and in the legend.

5 · Objects tell the story

A scanner in Imaging, racks in the warehouse: two or three typical objects per room are enough. Keep the corridor clear.

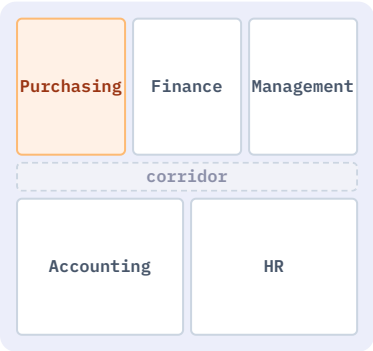
6 · Moderate life

Ten to twenty walkers and a few cars make the space feel alive. On modest computers, reduce them or turn animated machines off.

Three layouts to copy

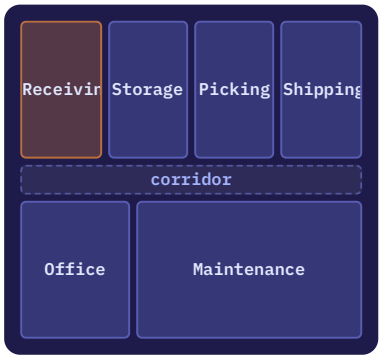
Offices around a corridor

Approval flows that go from desk to desk. Start room near the entrance, managers at the end.



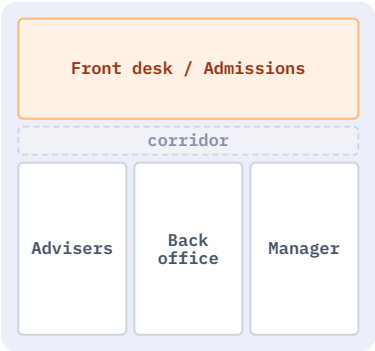
A line that flows

Production or logistics: rooms in the order of the work, so folders move left to right.



Front desk and back office

Public services, banks, hospitals: the room where requests start faces the visitors.



Before you deploy

- Check every **K2 account** in People: a person whose account does not match sees no task.
- Check every **start form** in Workflows (or plan to set the `Form_…` parameters in K2).
- Open **Preview**, pick a few people in the menu and follow a folder from its first room to its last.
- Deploy a **Demo** package first if the K2 APIs are not ready yet, to show the space in K2.

12 Data and security

- **The data stays in K2.** Inside K2, the app reads K2 from the browser of the person signed in, with their own K2 session: their tasks (Workflow REST API), everyone's tasks (OData worklist) and their decisions. Nothing goes to Helvia; the Studio only stores the design of your apps.
- **K2 permissions apply.** The form buttons act for the account signed in to K2. A task of someone else opens read only.
- **Demo mode** makes no network call at all.
- The map is read again every 12 seconds by default (8 to 300, set in the package).

13 Troubleshooting

YOU SEE	WHY	WHAT TO DO
Status “Live · K2 (your tasks)”	The OData worklist is not readable: each person sees only their own tasks.	Publish Activity Instance Destination in OData, or give its entity set in `Helvia_OData_Worklist`.
“Could not read K2 tasks”	The Workflow REST API is off or refuses the session.	Enable it in K2 Management › Integration › APIs.
A request type says “not set”	Its `Form_…` parameter is empty.	Set the start form in step 2 and redeploy, or fill the parameter in K2 Designer.
“Task of a person who is not in this app”	The task belongs to an account missing from People.	Add the person with their exact K2 account.
I see no task, but I have some in K2	Your K2 account does not match the one in People, or the request type filters another workflow.	Check the account in People and the K2 workflow in step 2.
“The task has no form link”	The task uses a basic task form without an address.	Give the task a K2 form in the workflow.
“No ID data field found in the workflow”	The form needs the item ID, and the workflow has no ID data field.	Add an ID data field to the workflow, or open the task from the K2 worklist.
Studio changes are not in K2	K2 runs the last package deployed.	Download the package again and deploy it.
The 3D is slow	Too many walkers, vehicles or animated objects for the computer.	Lower them in Floor plan › Life in the scene.

HELP Write to contact@fluxcaster.com with a screenshot and the text of the status (top right of the app).