

AOZ Challenge: SupplyHub

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Intro

SupplyHub: a shared, city-wide platform to plan, store, and deploy emergency supplies fast.

Tech Stack: React + Vue (Frontend) & Python (Backend)

Übersicht

Was können wir tun? (Handlungsbereiche)



Erstversorgung (medizinisch)

Verbandmaterial, Erste-Hilfe, einfache Medikation



Verpflegung

Lebensmittel, warme/kalte Mahlzeiten



Unterkunft

Betten, Matratzen, Decken, Kissen

Verlauf Ihrer Anfragen



Feldbett

Menge: 150 Stück

Lieferung an: Notunterkunft Berlin-Mitte, Leipziger Str. 45, 10117 Berlin, Germany

Angefordert am: 31.10.25, 11:45



Trinkwasserkanister (10L)

Menge: 100 Kanister

Lieferung an: Hilfslager München Ost, Rosenheimer Str. 200, 81669 München, Germany

Angefordert am: 31.10.25, 12:00

Anna's Challenges

Fragmented Procurement:

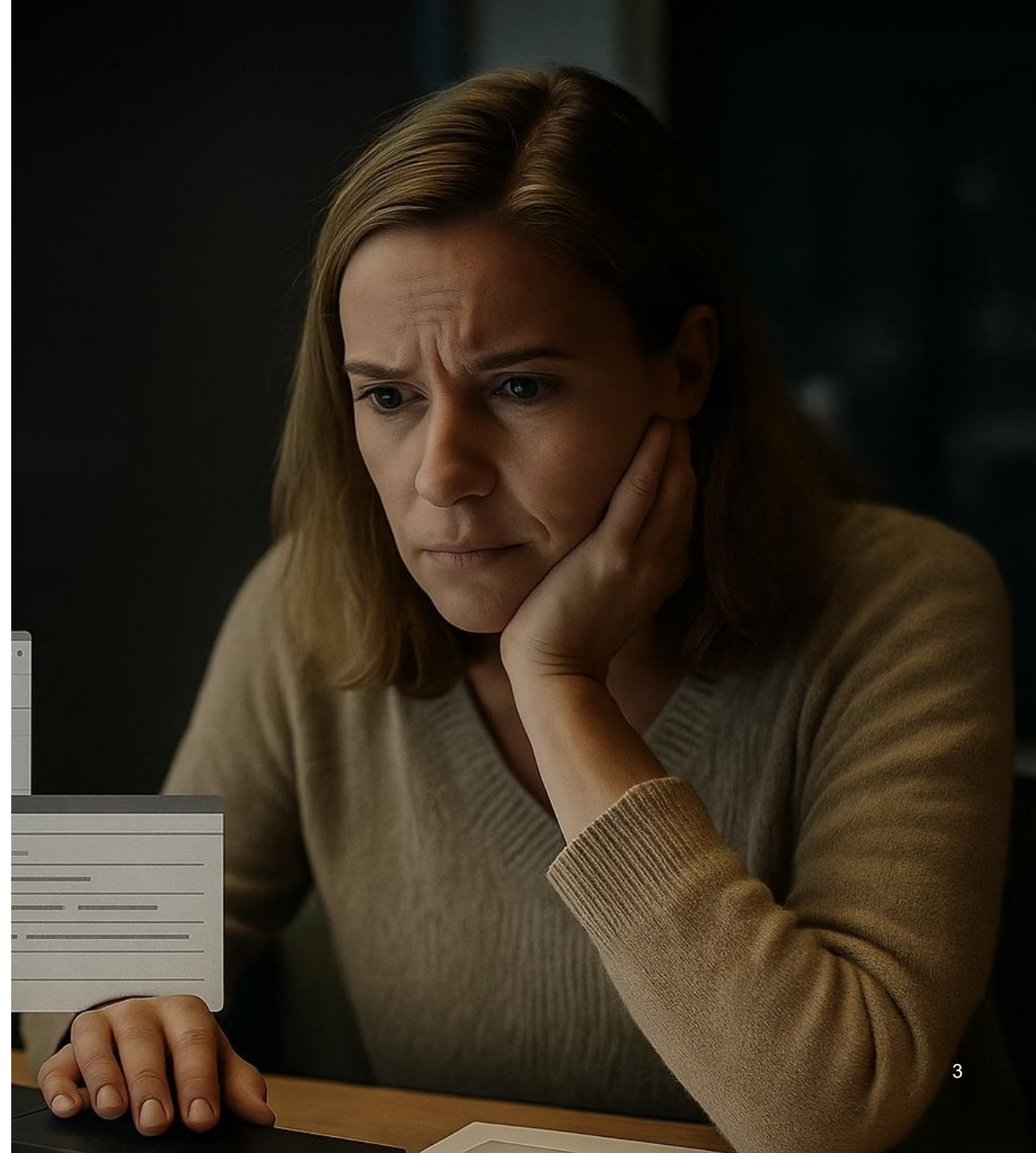
Parallel procurement and storage across city actors lead to duplication, higher costs, slow coordination, and last-minute panic buying.

Disconnected Logistics:

Crisis teams and logistics management all need the same emergency goods but lack a shared overview, which causes coordination gaps.

Reactive, not prepared:

As new arrivals flood in overnight, Anna's team scrambles to respond. Information is scattered, decisions are delayed, and families wait longer for the essentials they need.



Our Solution

SupplyHub: One shared platform to **plan**, **source**, **store**, and **deploy** emergency supplies across city actors, with role-based access and readiness tracking

Three Core Features:

1. **Stab Dashboard:** Overview and action center for the crisis management staff.
2. **Authorization Dashboard:** Validation and approval interface for stock requests.
3. **Organisation Dashboard:** Stock, logistics, and inspection management for local facilities.

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Demo

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Impact & Outlook

From Chaos to Organization:

Faster setup of safe housing, fewer panic purchases, transparent coordination across city actors, and higher resilience during spikes.

Built for Cities, Ready for Crisis:

One platform spanning preventive planning and crisis response, aligned with the city's cross-department model and AOZ's mission.



Why SupplyHub?

Solving coordination gaps before the next crisis

- Built for real crisis workflows
- Replaces fragmented spreadsheets with a unified platform
- Connects all actors: crisis staff, logistics, and facilities in real-time
- Prevents duplication, saves costs, and accelerates deployment



Roles in Action

Crisis Management (Stab Dashboard):

Full situational overview, rapid needs assessment, and real-time coordination across departments.

Logistics Management (Organization Dashboard):

Tracks stock, transport, and maintenance to make sure resources reach the right place at the right time.

Authorization Role (Authorization Dashboard):

Reviews and approves requests based on priority, urgency, and resource availability.

