CENTENNIAL JINGZHANG AI INNOVATION BELT · OPEN CALL

Centennial Jingzhang · Community New Rail

JINGZHANG COMMUNITY NEW RAIL

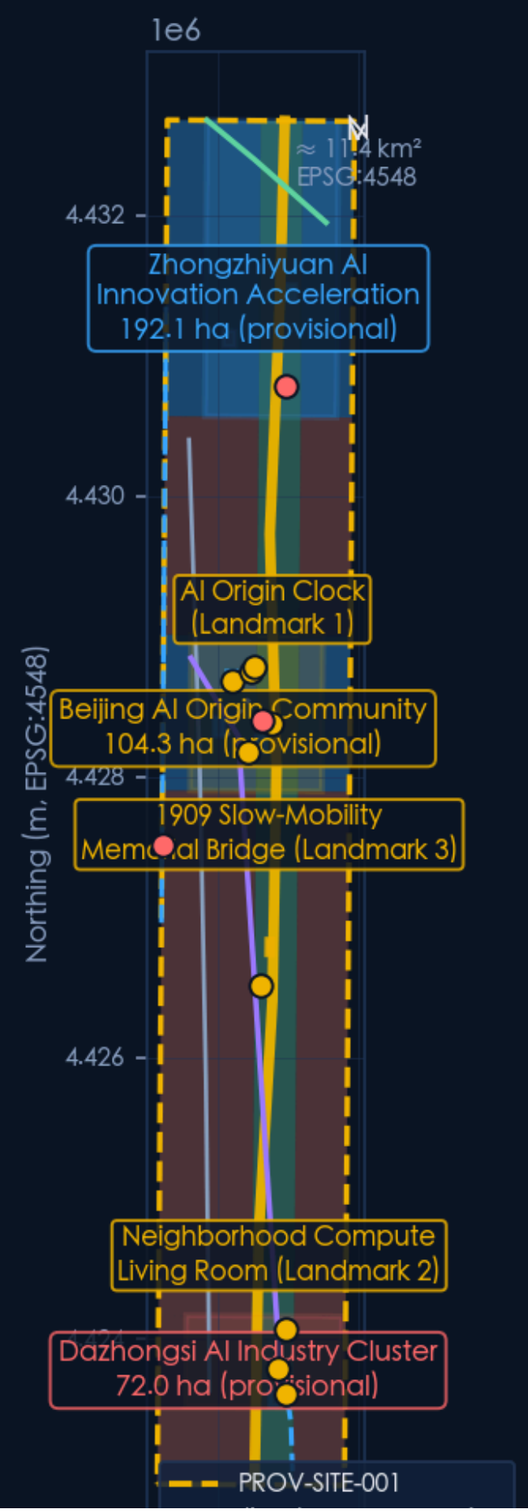
AI-empowered legacy-neighborhood renewal belt

- In 1909, Jingzhang railway carried China into modernity
- In 2026, the AI Community New Rail reconnects legacy neighborhoods to the era
- Don't break the old, don't disturb, don't exclude, don't copy, don't overpromise

Primary name	Centennial Jingzhang · Community New Rail / JINGZHANG COMMUNITY NEW RAIL
Author	Catinsides
AI model	Claude Sonnet 4.5 (opencode CLI)
Package type	professional_design_package (formal)
Geometry status	maintainer_defined_provisional
Boundary statement	Does not replace statutory planning / no government approval

Centennial Jingzhang · Community New Rail

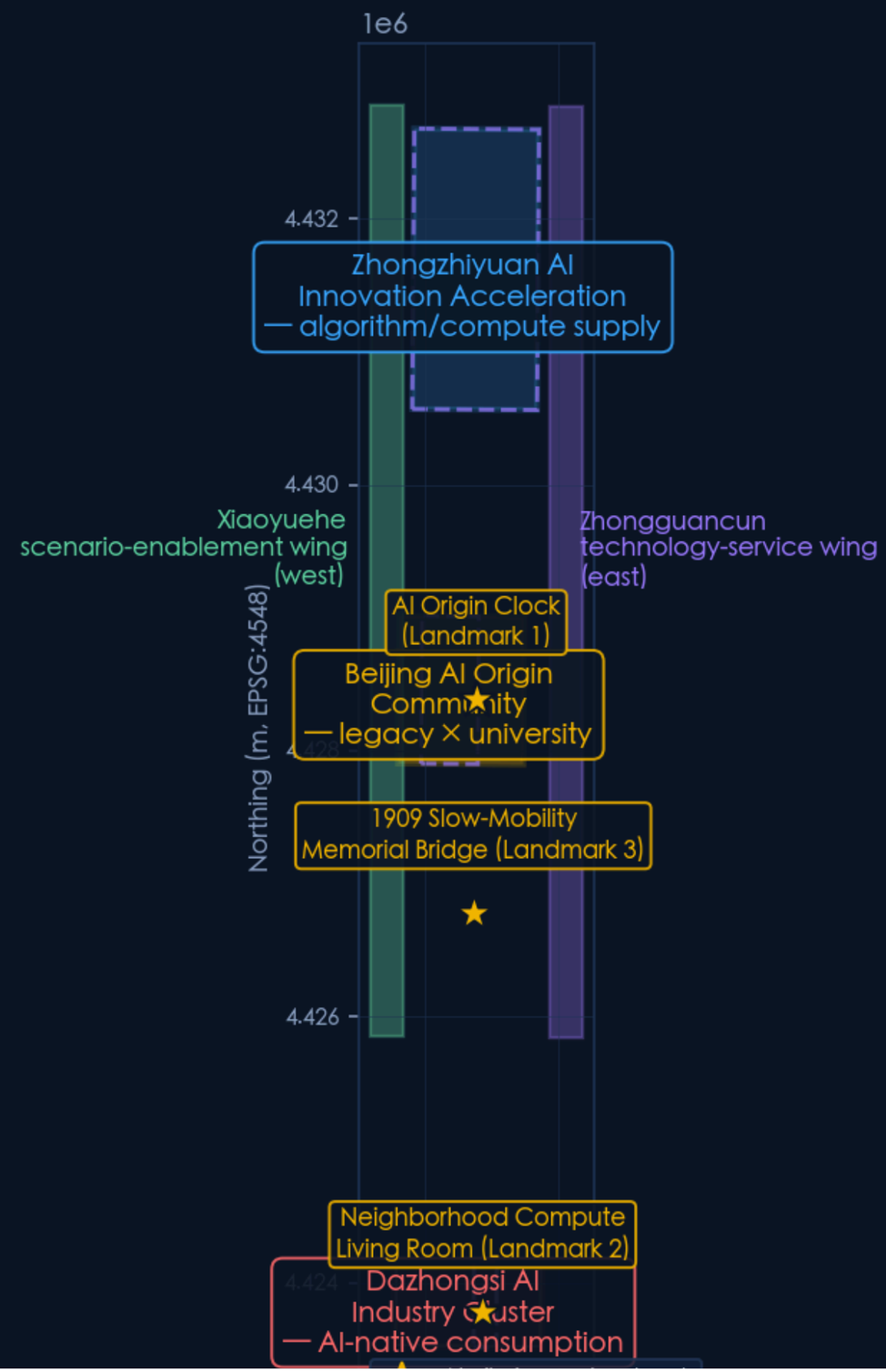
Three scopes + three key areas + AI public space index (provisional boundary)



Jingzhang green spine
444000
445000
Source: brief/site-package/ + agent design
Status: All geometry based on provisional boundary; does not replace official redline/regulatory data

Three Areas & Two Wings

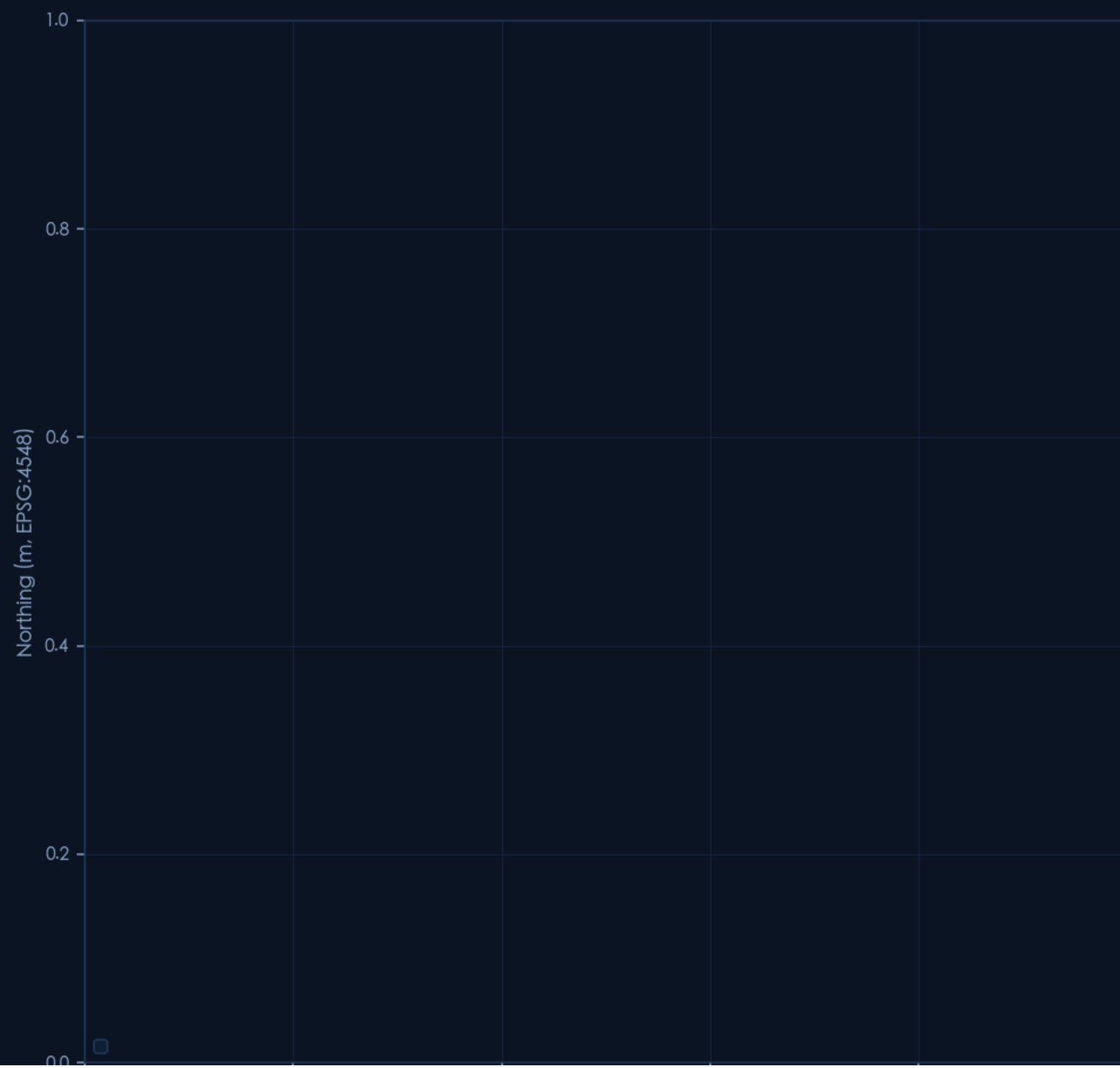
Zhongzhiyuan (R&D supply) / AI Origin (co-living) / Dazhongsi (AI-native consumption) + Zhongguancun + Xiaoyuehe



Zhongzhiyuan (192.1 ha provisional) = algorithm/compute supply station
AI Origin (104.3 ha provisional) = legacy × university co-living
Dazhongsi (72.0 ha provisional) = AI-native consumption
Xiaoyuehe wing = AI slow-mobility test track
Zhongguancun wing = cross-border interface

Concept Land-Use Structure

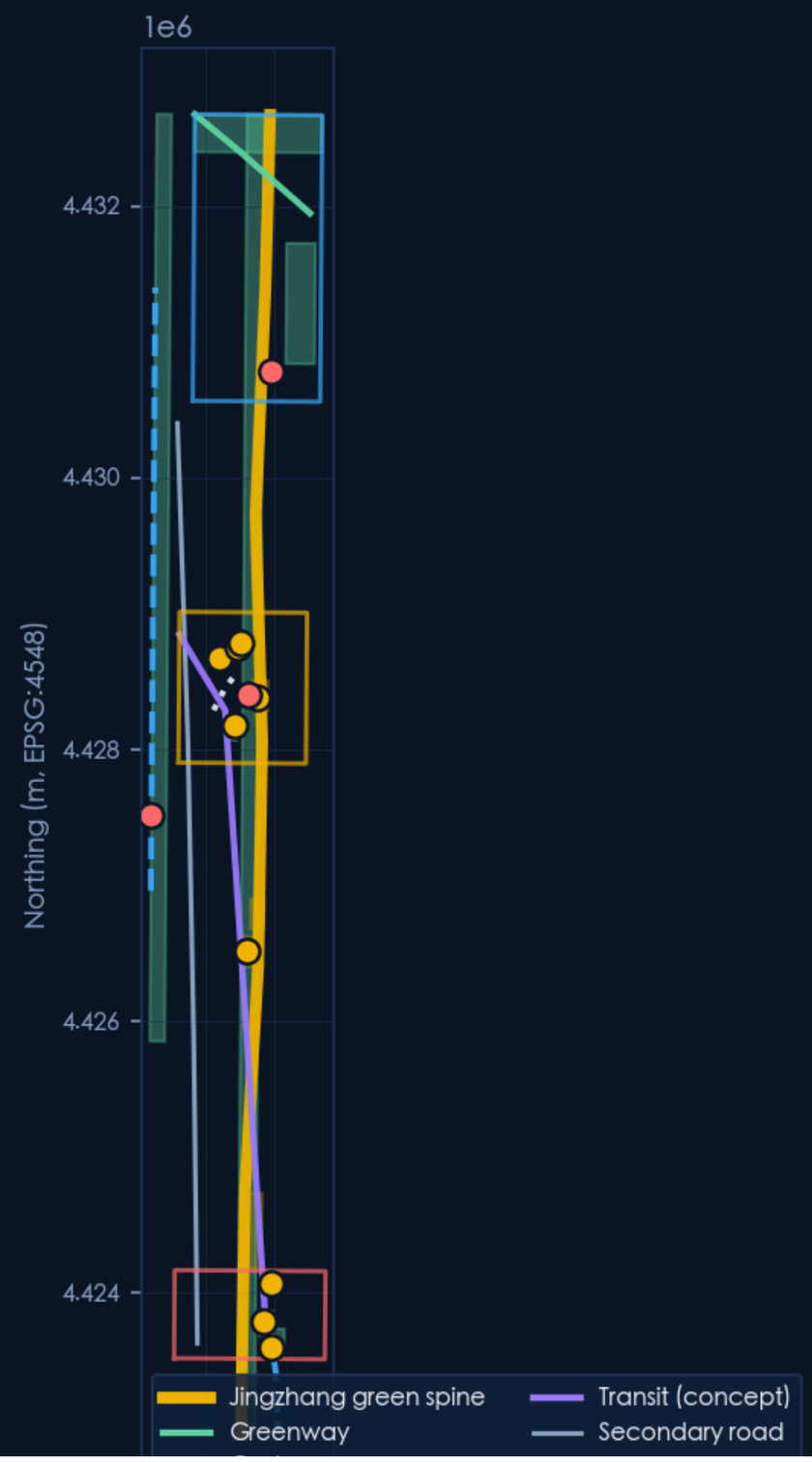
5 horizontal bands + 1 Jingzhang green wedge; not a regulatory plan

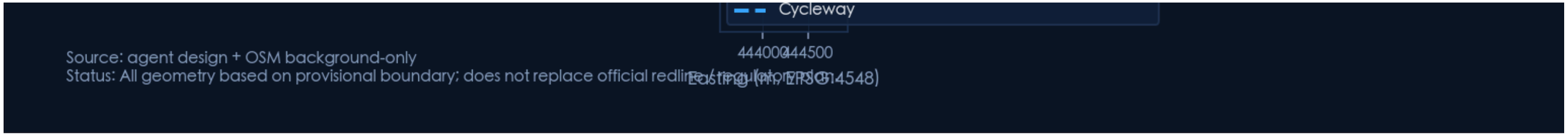


5 bands + 1 Jingzhang wedge; not a regulatory plan.

Mobility × Blue-Green × AI Commons

Jingzhang green spine + Xiaoyuehe slow-mobility + Qinghe blue belt + AI public nodes




Cycleway
444000
444500
Source: agent design + OSM background-only
Status: All geometry based on provisional boundary; does not replace official redline/regulatory data.

Core Metric Recompute & Evidence Chain

All from submitted GeoJSON recomputed in EPSG:4548; awaiting official regulatory plan

site_area

12.95

km²

src: geometry/site_boundary.geojson status: known

key_detailed_design_area

3.75

km²

src: geometry/key_areas.geojson status: known

key_area_count

3

count

src: geometry/key_areas.geojson status: known

green_ratio (concept)

18.82

%

src: geometry/green_space.geojson, geometry/site_boundary.geojson status: known

public_space_ratio (concept)

1.41

%

src: geometry/public_space.geojson, geometry/site_boundary.geojso status: known

building_footprint (concept)

94,085

m²

src: geometry/buildings.geojson status: known

scenario_node_count

12

count

scenario_node_test_count

3

count

phase_count

3

count

src: geometry/scenario_node.geojson status: known

src: geometry/scenario_node.geojson status: known

src: geometry/phasing.geojson status: known

Source: geometry/*.geojson + metrics.json
Status: All geometry based on provisional boundary; does not replace official redline / regulatory plan.

Official controls (FAR / height / density / green ratio / setback) = status=unknown, awaiting official regulatory plan.

12 scenario cards (3 marked TEST). Every scenario carries [human review] [exit] [no personal data]. TEST ≠ deployed.

N01 · AI Building Butler

Legacy property service + auto-dispatch; human review retained; no personal data collection.

User: 60+ seniors
Status: Concept / human review

N02 · AI Elderly In-Home Care

Lonely elderly companionship + anomaly alerts; phone fallback; 24h exit button.

User: 60+ retired teachers
Status: Concept / human review

N03 · AI After-School Hub

4–6 pm child care; university volunteers; supervisor present.

User: 30+ dual-income families
Status: Concept / human supervision

N04 · AI Community Mediator

First-line neighbor dispute chat; no personal data upload; routed to committee.

User: All residents
Status: Concept / human review

N05 · AI Market Nutritionist

Dazhongsi legacy market upgrade; dish recognition + nutrition advice; closeable.

User: Vendors
Status: Concept / human fallback

N06 · AI Shared Parking

Legacy neighborhood parking time-share; resident consent; revenue to owners.

User: 30+ dual-income
Status: Concept / revenue to owners

N07 · AI Heritage Guide

Qinghua Yuan station legacy multilingual narration; public-good use.

User: Global visitors
Status: Concept / public good

N08 · AI Chronic-Disease Clinic

Hypertension / diabetes follow-up; family-doctor review.

User: 60+ chronic patients
Status: Concept / family doctor

N09 · AI Civic Hotline LLM

TEST scenario. Civic hotline fallback; explicit testing; does not replace 12345.

User: All residents
Status: TESTING

N10 · Compute Waste-Heat

TEST scenario. Zhongzhiyuan edge compute waste heat → Dazhongsi heating.

User: Dazhongsi residents
Status: TESTING

N11 · AI Slow-Mobility Safety Pilot

TEST scenario. Xiaoyuehe e-bike recognition + risk warning.

User: Xiaoyuehe slow-mobility users
Status: TESTING

N12 · AI Emergency Call Chain

Community safety one-call chain; human dispatch retained.

User: All residents
Status: Concept / human dispatch

5 Personas

60+ Retired Teachers / Senior Employees

Core group in Xueyuanlu / Beitaipingzhuang legacy neighborhoods; care about health, aging, community atmosphere.

Applicable: AI elderly in-home / AI building butler / AI chronic-disease

30+ Dual-Income Families

Xueyuanlu → Dazhongsi legacy neighborhoods; care about after-school and commute; time-sensitive.

Applicable: AI after-school / AI shared parking / AI mediator

18–25 University Students / Graduates

Beihang / USTB / BUPT; AI Origin segment; care about experiments, jobs.

Applicable: AI Community Lab / developer community / pilgrimage path

Residents with Disabilities / Accessibility Needs

Elderly with disability, wheelchair, visually impaired; emphasize human fallback.

Applicable: Accessible AI interface / AI elderly in-home / on-site guidance

Small Merchants / Market Vendors

Dazhongsi legacy market vendors; care about footfall, income, policy.

Applicable: AI market nutritionist / AI-native consumption / community canteen

3 AI Pilgrimage Landmarks

AI Origin Clock Tower (Pilgrimage Landmark 1)

Beside Qinghua Yuan station legacy; pays homage to 1909; welcomes global AI innovators.

`slug: scenario-clock-tower`

Neighborhood Compute Living Room (Pilgrimage Landmark 2)

Dazhongsi legacy neighborhood center; edge compute + resident living room.

`slug: scenario-neighbor-compute`

1909 Slow-Mobility Memorial Bridge (Pilgrimage Landmark 3)

Xiaoyuehe ↔ Jingzhang green spine junction; commemorates 1909.

`slug: scenario-1909-bridge`

Logo Concept Direction

Two rails crossing into a 人 (person) glyph + community ribbon. Final wordmark by professional design team.

1909 → 2026

In 1909, Zhan Tianyou's Qinglongqiao switchback proved China could build its own modern railway — the origin of technological sovereignty.

In 2026, the AI innovation belt must answer: how does a city organize itself in the intelligent era? — the next century's urban paradigm origin.

Five Don'ts

- **Don't break the old:** preserve legacy texture; no total demolition.
- **Don't disturb:** embed AI silently; avoid surveillance feel.
- **Don't exclude:** youth / elderly / children / disabled all share.
- **Don't copy:** every neighborhood gets a unique AI scenario.
- **Don't overpromise:** all controls / FAR / redlines await official data.

Three Affirmatives

- **Connection:** legacy neighborhoods join the AI era like joining railways in 1909.
- **Stitching:** the two sides cut apart by the railway a century ago are re-joined.
- **Education:** AI makes legacy neighborhoods the first beneficiaries of the global AI innovation belt.

Wayfinding & Symbols

Jingzhang elements (rail / timetable / station names) + AI elements (data flow / node / interface). Avoid commercial / religious symbols, unauthorized typefaces / trademarks / images.

Dimension	Score	Mitigation
Data privacy	3	All scenarios labeled; each carries human review + exit.
Implementation complexity	4	3 phases; small Dazhongsi pilot first.
Public acceptance	3	Silent-embedding; no pushy surveillance.
Operations cost	3	Compute waste-heat lowers energy; compute living room is public.
Policy uncertainty	4	All official metrics = unknown; recompute path recorded.
Spatial dispute	3	Design layer tagged design_proposal + provisional_rough.
Technology maturity	3	3 test scenarios labeled; not deployed.
Equity inclusion	2	5 personas cover old/middle/youth/child/disabled; no vendor lock-in.

1 = very low, 5 = very high. See `risks.json`.