

GLIWICE · POLAND · ADAPTIVE REUSE OF INDUSTRIAL HERITAGE

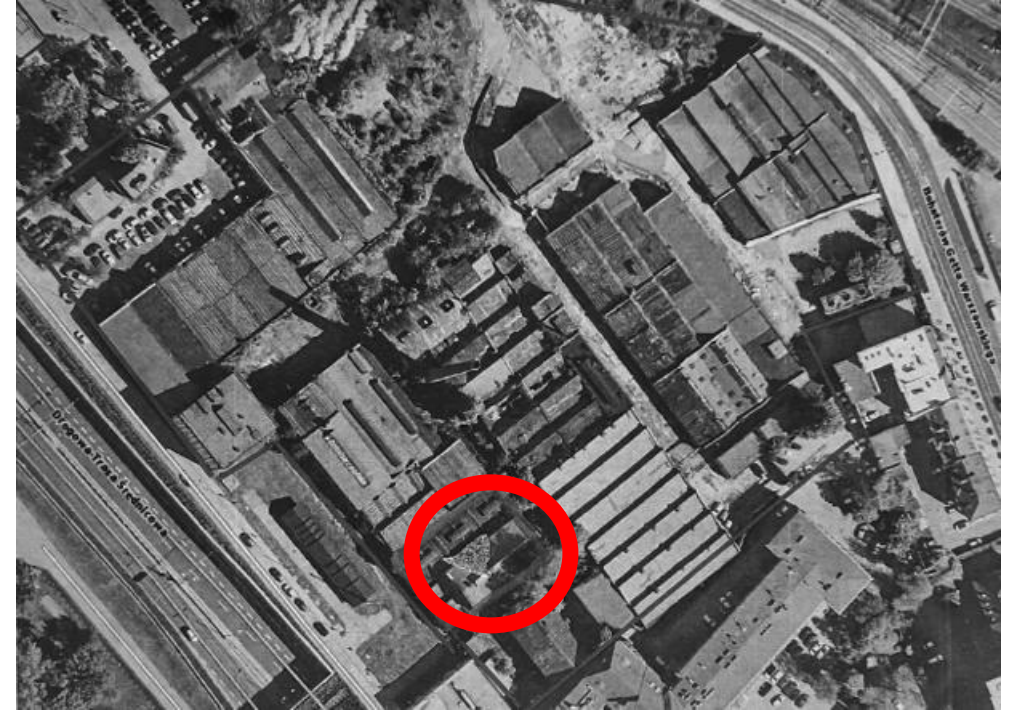
# The Industrial Thread

*Revitalizing Heritage Through Circular Culture*

MUSEUM · COMMUNITY CENTER · CAFÉ

SPATIAL CONCEPT & STRATEGY — 2026





Located in Gliwice, southern Poland, the project reuses a former wire factory, once part of the city's industrial production landscape. Its brick structure and manufacturing traces are preserved and transformed into a new cultural and community space.



# An Interconnected **Three-Zone** Narrative

A roofline narrative matrix honouring the 25×30 m historic footprint through adaptive programmatic reuse. Minimal intervention preserves raw brick, concrete piers and the industrial overhead tracking structures.

## THE NARRATIVE THREAD — A STRICTLY SEQUENTIAL JOURNEY

1

### Adaptive Museum — Zones 1 & 2

Main entrance funnels visitors directly into the Silesian folk-costume galleries.

2

### Flexible Hangar Space

Seamless transition into workshops, markets and community events under one roof.

3

### Social Café — Zone 3

The journey strictly terminates at the café — rest, exchange, return.

**Aesthetic footprint:** raw brick · concrete piers · overhead industrial tracking



GROUND-FLOOR PLAN — MUSEUM (LEFT) · HANGAR & CAFÉ (RIGHT) · COMMUNITY GARDEN EDGE



# Empowering Community Through Silesian Heritage



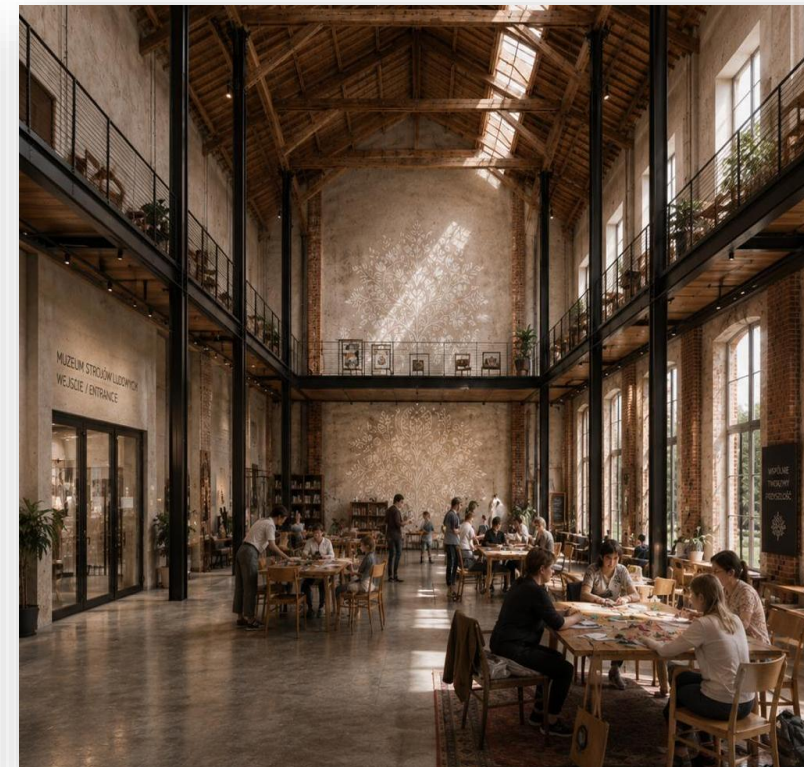
## THE OPEN-SOURCE ACADEMY — WEEKDAYS

Community-led, free programs bridging Silesia's industrial past with forward-thinking craft: heritage education, local labs and voluntary sessions for every generation.



## ENTREPRENEUR NETWORK — WEEKENDS

Incubator markets and performances for Gliwice's micro-retailers, artisans, cooks and musicians — booth fees from local vendors directly fund the free weekday classes.



## 12 WORKSHOP TRACKS

History · Astronomy · Cooking · Painting · Photo · Tradition · Dance · Woodcraft · Recycling · Drawing · Music · Languages — support-group meetings 100% shared.





[ 04 / LOW-CARBON MATERIALITY ]

## Circular by Design — Reclaiming Silesian Identity

In line with LCA and circular-economy goals, the design prioritises materials already on the site. What the old factory leaves behind becomes the raw material for what comes next — reused in place rather than hauled away.



**Reclaimed clay brick** Repurposed into landscape paving and garden paths.



**Structural steel** Salvaged beams reused as landscape and trellis elements.



**Glass + metal framing** Defines the café's light, modern envelope — pictured left.



**Structural timber** A warm counterpoint honouring regional craft in the roof.



# Passive **Heritage Optimization**

1

## Building envelope

Vapor-permeable 100 mm calcium-silicate internal insulation prevents damp in historic brick; recycled cellular-glass (Foamglas) floor; secondary double-glazed interior frames.

2

## Mechanical systems

MVHR with >70% heat recovery holds 45–55% relative humidity for fragile artifacts (ASHRAE Ch. 24), powered by air-source heat pumps, COP 3.5–4.0.

3

## Green buffer

Deciduous climbers (Parthenocissus) on stainless trellises offset 10 cm from the masonry — summer shade and cooling, winter solar gain. SDG 12 optimized.



RETROFIT TARGET: **50–60% heating energy demand reduction**







## What Gliwice Invests — and What Flows Back

**Structural priority:** Western-facade grouting & brick reinforcement precede all insulation works (Phase 1).

PHASE 1 CAPEX — DUAL CURRENCY (≈ 4.25 ZŁ / €1, JUNE 2026)

|                                                   |                                                  |
|---------------------------------------------------|--------------------------------------------------|
| Western facade grouting & masonry stabilization   | <b>235 000 – 320 000 zł</b><br>€55,000 – €75,000 |
| Moisture-tight interior double-glazing systems    | <b>105 000 – 170 000 zł</b><br>€25,000 – €40,000 |
| Recycled cellular glass (Foamglas) sub-slab floor | <b>85 000 – 150 000 zł</b><br>€20,000 – €35,000  |

**Total essential Phase 1 CapEx goal**

**425 000 – 640 000 zł**  
€100,000 – €150,000



**< 4 zł (≈ €0.90) per resident**

one-time, for all ≈164,000 gliwiczanie — less than a tram ticket, returned as a permanent public space.



**0 zł / €0 operating subsidy**

weekend booth fees from local artisans keep every weekday class free for residents.



WSPÓLNIE TWORZYMY PRZYSZŁOŚĆ — TOGETHER WE CREATE THE FUTURE

# Built by Gliwice, for Gliwice.

*One historic hall — a museum of Silesian costume, a free academy for residents, a market for local makers, and a café where the thread comes together.*

*Presented by Group 4*

THE INDUSTRIAL THREAD · GLIWICE PL · 2026