



HUMAN CAPITAL × AI

The UNSDG Sustainable Business Challenge

Powered by SEL. Co - created by AI. Designing human-centered solutions for global sustainability

BlockStewards

4B365024

4B365022

1 THE HUMAN CRISIS & UNSDG TARGET (SDG 11)

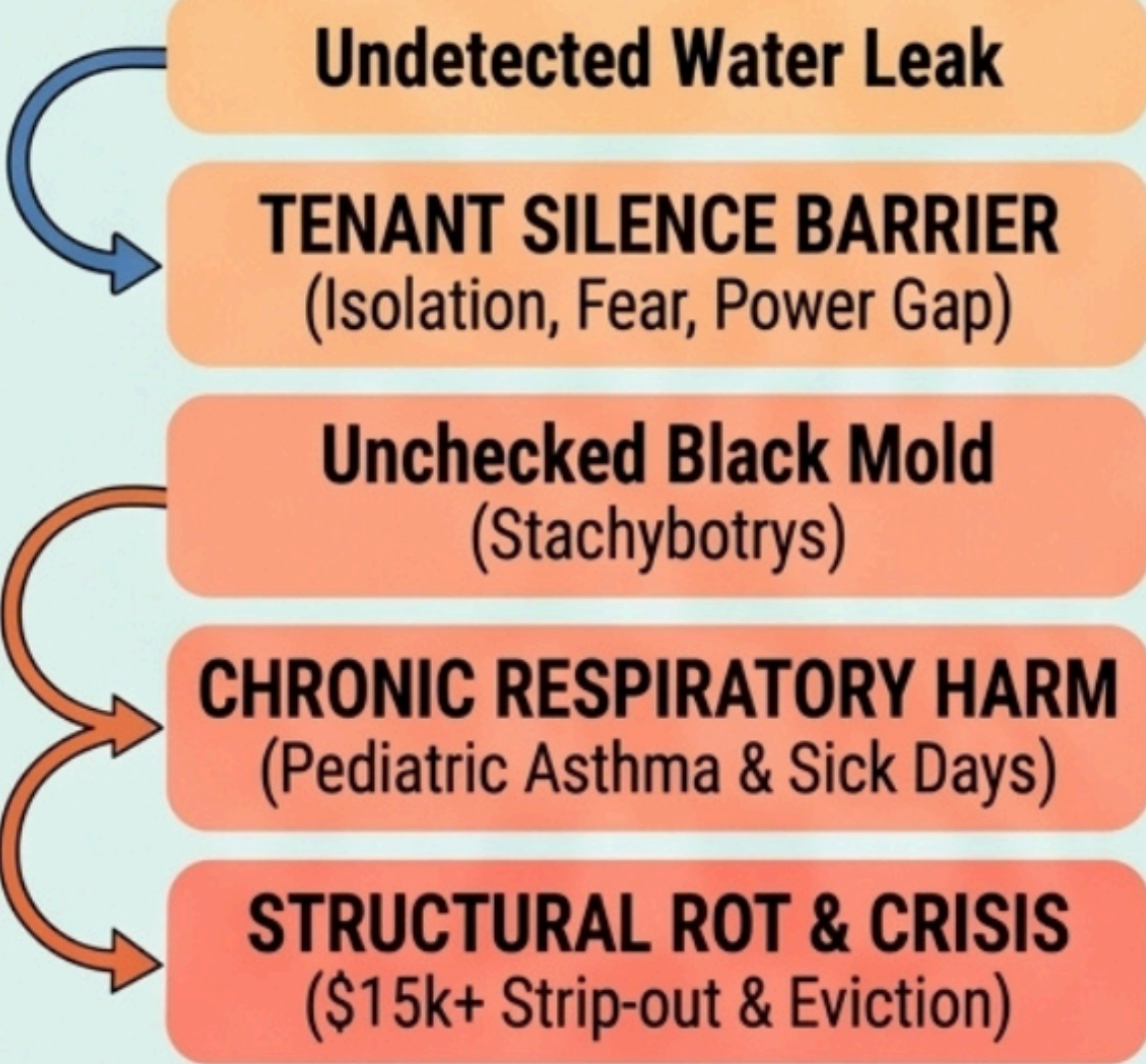
Tenants face a **"Maintenance Silence Trap"** in social housing, driven by isolation, fear, and power-asymmetry.



ROOT HUMAN VULNERABILITIES:

Low-income & migrant renters, power-asymmetry paralysis, power gaps, navigation exhaustion.

THE HUMAN PROBLEM CHAIN



114 Days

average to log leaks via legacy portals

30-50%

increase in pediatric asthatic asthma (WHO)

73%

fewer non-emergency requests from first-year/migrant tenants

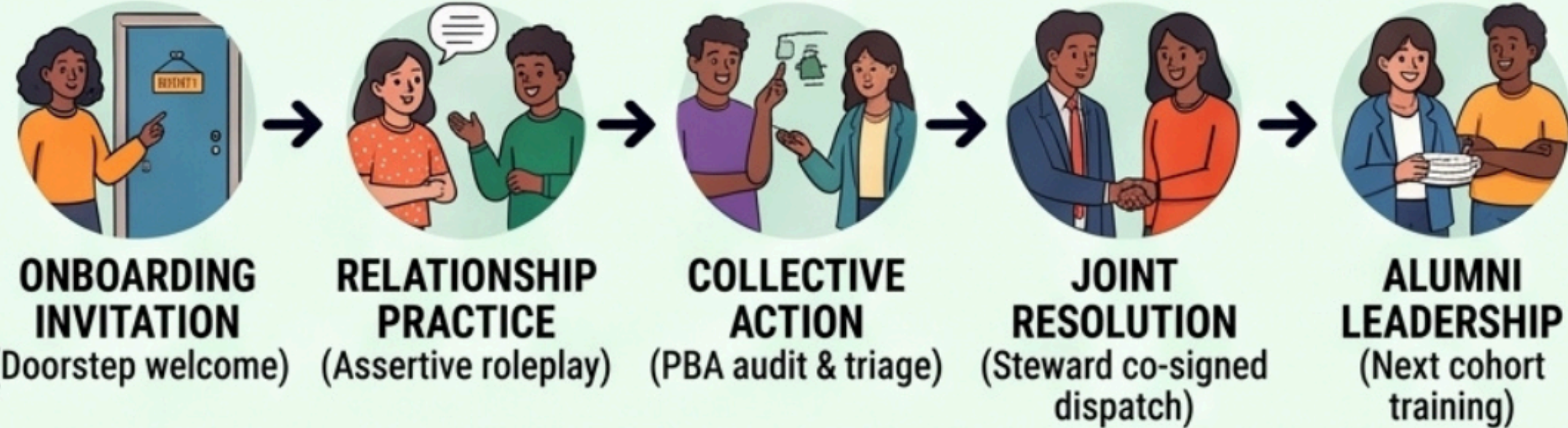
2 THE HUMAN-CENTRED SOLUTION (POWERED BY CASEL SEL)

BLOCKSTEWARDS GUILD

A resident-led interpersonal infrastructure transforming isolated tenants into collaborative cohorts.

SEL Competency	Human-Delivered Operational Ritual	Measurable Human Value Created
Relationship Skills	The Assertive Advocacy Circle: Monthly, peer-led workshops where tenants run structured fishbowl roleplays with scenario cards to practice non-defensive communication.	Strips the paralyzing fear of landlord retribution. Lifts reporting rates by 80%+.
Responsible Decision-Making	Participatory Block Audits (PBA): Bi-monthly floor walks where Stewards and resident pairs walk shared common spaces to triage risks on a shared Block Health Board.	Normalizes early detection, strips domestic shame, and s maintenance a collective building health responsibility.

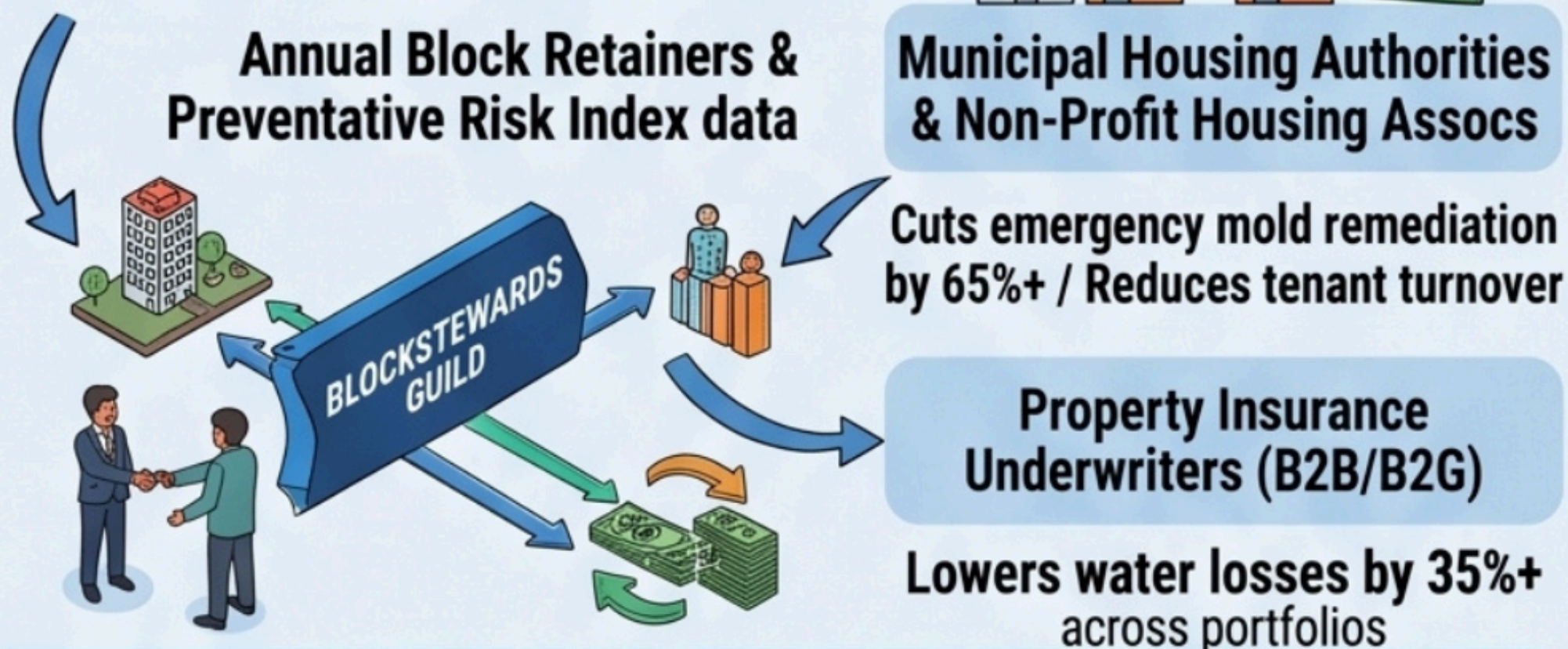
MEMBER JOURNEY



3 SUSTAINABLE BUSINESS & REVENUE MODEL

A preventative B2B/B2G retainer model. Free for tenants, funded by housing authorities & insurers to stop costly crises.

BLOCKSTEWARDS GUILD (Social-Emotional Operating Co.)



REVENUE		
Annual Building Retainers	Tiered annual recurring subscription per residential housing block	\$14,400 / building / yr (60% of Gross)
Steward Academy Licensure	Fixed workforce development training fee charged to municipal programs	\$1,800 / steward trained (25% of Gross)
Preventative Risk Index	Aggregated, privacy-safe, anonymized monthly building reports for insurers	\$0.75 / unit / month (15% of Gross)



OPERATING FINANCIAL PROJECTIONS (3-Year EBITDA)
Year 1: \$60k | Year 2: \$260k | Year 3: \$820k

4 AI COLLABORATION & TEAM REFLECTION

AI drafted technocratic systems. Human empathy & judgment kept it relational.

AI CO-FOUNDER AUDIT TRAIL

Stage	AI Flaw	Human Correction
Conception & Service	Hardware IoT Sensor Suite inside private rooms to alert landlords	REJECTED - Intrusive surveillance creates fear; build human trust and agency instead.
Financial Engine	Fines & tenant deductions from rent rebates for humidity spikes	REJECTED - Punitive extraction destroys trust; shift 100% of costs to asset owners & underwriters.
Voice & Tone	Clinical corporate jargon ("remediating tenant non-compliance")	REWRITTEN - Focus on solidarity and stewardship: "Expert Building Stewards".



No Sensors



No Penalties/Fines



Partner A (Field & SEL) & Partner B (Finance & AI)



南臺科技大學
Southern Taiwan University of Science and Technology

SCAN TO WATCH
Our 3-4 minute presentation

