



G.O.A.L.

# Health-First Urban AI Framework

*A systems framework for designing Urban AI that continuously understands, anticipates and improves the conditions that enable long-term human flourishing.*

*G.O.A.L. Solutions Portfolio*

Framework  
FW005  
Version 1.0

# HEALTH-FIRST URBAN AI FRAMEWORK

A systems framework for Urban AI that continuously understands, anticipates and improves the conditions that enable long-term human flourishing.

## ABOUT THIS FRAMEWORK

The Health-First Urban AI Framework provides a systems-based approach for understanding how artificial intelligence can strengthen healthier, more resilient and more human-centred cities.

Rather than viewing Urban AI primarily as a technological platform, the framework positions it as an institutional capability that helps cities perceive urban conditions, transform information into intelligence and support better human decision-making.

Together, these capabilities create a common foundation for designing Urban AI that continuously improves the conditions for human flourishing.

## PURPOSE

- ✓ Establish a shared framework for Health-First Urban AI.
- ✓ Define the core capabilities required for intelligent urban governance.
- ✓ Support the design, assessment and implementation of Urban AI systems.



**ONE FRAMEWORK.  
THREE CAPABILITIES.  
FIFTEEN CORE CONDITIONS.**

A common architecture for Health-First Urban AI.

HEALTH-FIRST URBAN AI IS BUILT ON  
THREE CORE CAPABILITIES WORKING IN CONTINUOUS CYCLE.



**BODY**  
Urban Awareness



**BRAIN**  
Urban Intelligence



**INTERFACE**  
Human Governance  
& Coordination

How well does the city understand its present condition?

- 1 Environmental Awareness
- 2 Human Experience Awareness
- 3 Urban Systems Awareness
- 4 Community & Wellbeing Awareness
- 5 Change & Emerging Conditions

How well does the city transform awareness into understanding and foresight?

- 1 Systems Integration
- 2 Diagnosis & Causal Understanding
- 3 Anticipation & Foresight
- 4 Health-Aligned Prioritization
- 5 Learning & Adaptation

How do people and institutions interpret, govern and act upon urban intelligence?

- 1 Public Transparency
- 2 Civic Participation
- 3 Institutional Coordination
- 4 Human Judgement & Oversight
- 5 Accountability & Public Trust



## HUMAN FLOURISHING

The ultimate purpose of Health-First Urban AI.

## FRAMEWORK STRUCTURE



**BODY**  
Urban Awareness

How cities perceive urban conditions.



**BRAIN**  
Urban Intelligence

How cities transform awareness into understanding and foresight.



**INTERFACE**  
Human Governance  
& Coordination

How intelligence supports legitimate human decision-making.



**HUMAN FLOURISHING**

The ultimate purpose of Health-First Urban AI.

## FRAMEWORK APPLICATIONS



Urban  
Master Planning



Smart City  
Strategy



Urban  
Performance  
Assessment



Responsible  
Urban AI  
Governance