life.ai has created a Digital City Operating System to simplify connected life through great experiences.
Digital Cities – Evolution of an AI based world
Hyper-Local, Hyper-Connected – Simple Convenient Fun

Urban Citizen - The New Normal
- Hyper-connected communities improve work-life balance
- Integration of space, convenience and experience as a service
- Live in the moment and remove friction

It’s All About the User Experience
- Integrated thematic hyper-localized experience
- Every business can create one to one personalized AI experience
- One platform that makes interactions simple, convenient and fun

Privacy and Human Centered Design
- Citizens own their data – share with whomever they want
- AI that learns, personalizes and adapts can be trusted
- Federated platform can integrate best of the best applications
Digital City Operating System

Platform as a service with integrated data, intelligence and applications in one holistic model

**AI Core that allows each interaction to be personalized** ... by connecting all aspects of live, work, play, learn and operations into one simple holistic AI platform and application

**Shared Data, AI and direct 1:1 relationships** ... reduces cost – hyper-efficient, sustainable and future proof

**Benefits all members of Real Estate Development** ... Cities, small business, retail, services, office and brands all share platform access and can connect to people, places and things

**Better experiences that can improve lives** ... learns and adapts and will remove friction through unified data-model, privacy-first and human centered design
Platform as a Service

- SAAS applications that streamline activities “find, discover, promote, manage …”
- In the moment Web and Mobile experience using AI assistants
- Hyper efficient – optimized and frictionless – predictive
- Platform model is open (federated) and can connect to any data source
- Privacy first model supports permission based 1:1 relationship marketing

Interactions
- Find
- Discover
- Invite
- Reserve
- Promote
- Learn
- Manage
- Operate
- Control

SASS Applications
- Digital City Platform
  - Building & City Management, Safety, Incident Management, and AI Sandbox
- Space as a Service, amenities, activities, meetings, events, collaboration
- Marketing tools to grow your business, attract customers and provide great experiences
- PAL
  - Intelligent AI Assistants for people, places, brands and enterprise

Life.ai engine
- Live
- Work
- Play
- Learn
  - Moment Manager personalizes and tailors for every interaction

Data Sources
- People
  - Location Data
  - Preferences
  - Profiles
- Places
  - Business Listings
  - Enterprise Data
  - IoT Automation
- Things
  - Events
  - Activities
  - Incidents
  - Home & Auto

Infrastructure – automation – access control – 5G – WiFi – safety – other 3rd party solutions

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Digital Cities – 100X Cities Initiative

**Goals:** Hyper-efficiency, Sustainable, Future Proof and tangible ROI  
**Model:** Human Centered, Privacy-first, single source data model, small business friendly, fully extensible

### Consortium Model to share
- Cost
- Knowledge
- Implementation
- Results
- ROI

### Platform as a Service – Shared Integrations
- Integrated with communication suppliers (Cisco, Extreme Networks, others)  
- Integrated with IoT suppliers (Siemens, Panasonic, Samsung, Others)  
- AWS, Azure, IBM, Microsoft, SASS products  
- Prebuilt web/mobile experiences include Innovation, Small Business, Citizen from life.ai

### Outcomes
- Shared Repository – target > 80% reusable  
  - AI models and predictive analytics shared  
  - User experiences and web/mobile application  
  - Fully integrated backend / operations  
  - Best in class solutions and approaches
- Target 80X – ROI  
- Marketplace to try / use / share ideas & solutions  
- Royalty or credit to originating city to balance costs and participation  
- Transition Plan to Full Production with metrics

### Investment
$250,000+ depending on scope

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read more: a platform economy
Implementation Step 1. – based on your priorities
Could be focused on lease-up, experience or city services.

By District or Area or Interest

- Suburban Master Planned
- Universities
- Urban

Micro-Districts

- Business District
- Venues
- Shopping Districts
- Innovation Centers

Venues
- Mixed Use / District
- Small Business / Retail
- Digital Office (SME)
- Space as a Service
- Enterprise / Universities
- Operations / Smart City

Demonstration Videos
Implementation Step 2. – Build | Promote | Scale

Typical Flow (re:developer) – start with

District Landing page & mobile app
- engage people

Event System
- things to do

Local Business
- places to go

Space as Service
- services you need

Digital Office Suite
- productivity

Digital Marketplace
- commerce

SASS Applications

- Connected Communication Fabric
  (Wi-Fi, Fiber, Cable) - Partners
  - Indoor, outdoor, campus wide
  - Cisco / Extreme Networks
  - Microsoft, IBM, Nvidia ...

- Access Control - Partners
  - Residential & Commercial
  - Entry Exit & Visitor Experience

- Building/City Automation
  - AI based Dashboard
  - Transportations, Energy, Maintenance, Infrastructure, People, Events, ...

- City Interactive Landing Page
  - Live, Work, Play, Learn, and Operate
  - Event and Event Management
  - Retail, Shopping and Local Services
  - Amenity Management
  - Space as a Service Platform
  - Lease up and Information Portal

- PAL – AI Assistants for People, Places, Brands and Cities (web & mobile)
  - Privacy First
  - Find, Transact, people, places and things
  - Chat, Activities, Advise and Recommendations, forecast & predict

- Small Business and Brands
  - PAL – Assistant for stores, buildings & brands
  - Personalized for visitor, resident and discovery
  - Hours, Menus, Services, Information, Reviews
  - Business – can create listing, events, sell tickets, collaborate, promotions, coupons, campaigns, ordering, CRM, web/mobile, custom AI models

- freemium to premium version for all tenants
  - Streamline Office / Coworking / Innovation Center
  - Chat, Collaboration, Meetings, Marketing Sandbox
  - Space Management → Invoicing and Payments, Amenity Management, Booking, Events, Training
  - AI Sandbox for Custom NLP/ML/DL

Construction Phase

Lease up – operations and citizen experience

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Implementation Step 3. – integrate into city functions and other apps
Holistic vision across the entire city

Construction Optimization
- Supply Chain Solutions
- Infrastructure Design
- PMO Dashboards

Connectivity
- Hyper-Connected
- WiFi / 5G / ISP
- Safety and Incidents
- Transportation

Monitoring & Control
- Environmental
- Safety – Density
- Trouble Tickets
- Transportation

AI Assistants / Integrations

Connectivity
First Responders
Events / Activities

Infrastructure
Lighting,
Energy, Water, Gas

Transportation
Traffic, Cars, Trains
Incidents

Safety
Cameras
First Responders

Environmental
Air Quality

People
Places
Load - Density
Scaling Plan
Future proof → add new capabilities in communications, retail, and operations

Customer Experiences
- Venues
- Mixed Use / District
- Small Business / Retail
- Digital Office (SME)
- Space as a Service
- Enterprise / Universities
- Operations / Smart City

3 mo → 6 mo → 12 mo → 18 mo

3 mo
6 mo
12 mo
18 mo
Getting started: Join the Digital City Marketplace
Shared cost and development to yield best in class solutions

**Business Model** — Project Based, Member Based or Equity Based

**Federated Platform** — The Core Platform is supplied by life.ai and its technology partners with prebuilt applications that can be easily extended and shared in a Digital Marketplace.

**Members** — Master real-estate developers, cities, technology companies, enterprises, brands

**Financing** — A (future) bidding platform to allow SWF, UHNW, and Institutional investors will be developed for infrastructure projects
Marketplace Benefits
Create repeatable scalable model that can provide project and enterprise value

Benefits to Industry Partners to Join

- Prebuilt solutions save time, cost and improve outcomes
- Benefit from other developments and pilots to reduce construction and infrastructure cost
- Better tenant experience and company reputation as leading the market drives enterprise value
- Ability to create your own custom in-house AI tools and infrastructure

Create initial Digital City Consortium with a few marquee players

- Member model based on Corporate Venture model (highly efficient – shared R&D Cost)
- Pilot projects:
  - 1 – 3 Large Scale Developers / Operators (1-10M+ sqft)
  - 3 – 5 Smaller Developers / Operators – Venues, Art Districts, Transit Oriented Mixed Use, Cities
- Telecom & Tech Companies (Cisco, Nvidia, Extreme Networks, IBM, Microsoft, and others)

Project Model – customized for each project ($250K+)

- Infrastructure → Telecom, WiFi, 5G, Unified POS, Access Control, Building Mgmt. (partners)
- Applications → Lease up marketing, Digital Office, Digital Marketplace, Digital City
- First Look at services (communications, operations, access, safety, experience, office and retail)

Membership model shared R&D

- $250K – $5M based on company, city size and scope
- ROI through project and enterprise value creation, cost savings and efficiency gains
Digital City Marketplace 2.0 – Vision for the Future
Model to Design, Finance and Implement Digital City Projects

Digital City Initiatives
- City - State Projects
- Developer Projects
- Innovation Projects

Community & prebuilt solutions
- Digital City Solutions Store
- Pre-Vetted Solution Providers
- Digital City Financial Network
- Infrastructure Opportunity Fund

Financing
- Financing Support

Federated Digital City Platform
- Interactions
- SASS Applications
- Life.ai engine
- Data Sources

Digital City Implementation – (District, City, State, Country)

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Why life.ai – lower cost, less risk and sustainable model and approach

Disruptive

- Saves $billions in potential implementation cost, hyper efficient and sustainable model
- Real Estate Technology Transformative only privacy-first integrated live, work, play, learn & operations platform
- AI based app – human centered (personalized) – remove friction, complexity, small business friendly
- Removes inefficiencies like intrusive ad networks
- Privacy Locker™ removes bad actors and simplifies systems – one ID for all applications
- AI based on ramping system – Hyper-efficient (e.g., automatically creates database of local businesses, spaces, services
- AI marketing system – totally autonomous send invites, emails, insta posts, etc.. (e.g., when someone sets up an event – the local businesses are invited to advertise or supply a coupon for that specific use, many other options)

Technology

- All interactions & transactions can dip ML/DL vectors (personalized) – future proof
- Focused on personalized live/work/play interactions
- Brand and Enterprise Friendly – one to one relationship model
- PAL – AI Personal Assistant can become social network or future cognitive (“in the moment”) assistant

Federated Platform supports ubiquitous infrastructure and 3rd Party Applications

- Network, Transportation, Energy and Telecom Company agnostic
- Supports universities, cities, venues and special districts as opportunities present themselves
- Project costs and design and be shared or customize
- Multiple direct SAAS product offerings (lower cost, hyper-connected, better experiences)
Why life.ai – the technology – the model – the approach
Prebuilt and integrated solutions save time, cost and improve outcomes

<table>
<thead>
<tr>
<th>Digital City</th>
<th>Digital Office</th>
<th>Digital Storefront</th>
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<tbody>
<tr>
<td>Microsoft AI</td>
<td>aws activate</td>
<td>NVIDIA, IBM Watson Ecosystem Partner</td>
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**AI & ML/DL & Cloud**

**Big Data & Analytics**

**Data & Payment**

**Integrations (partial)**

**Network & Security**

**Tools & Frameworks**

**Platform as a Service**

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**Life AI – AI Sandbox**

**Accelerators**

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Build a better future for your company, your customers and the planet – life.ai

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