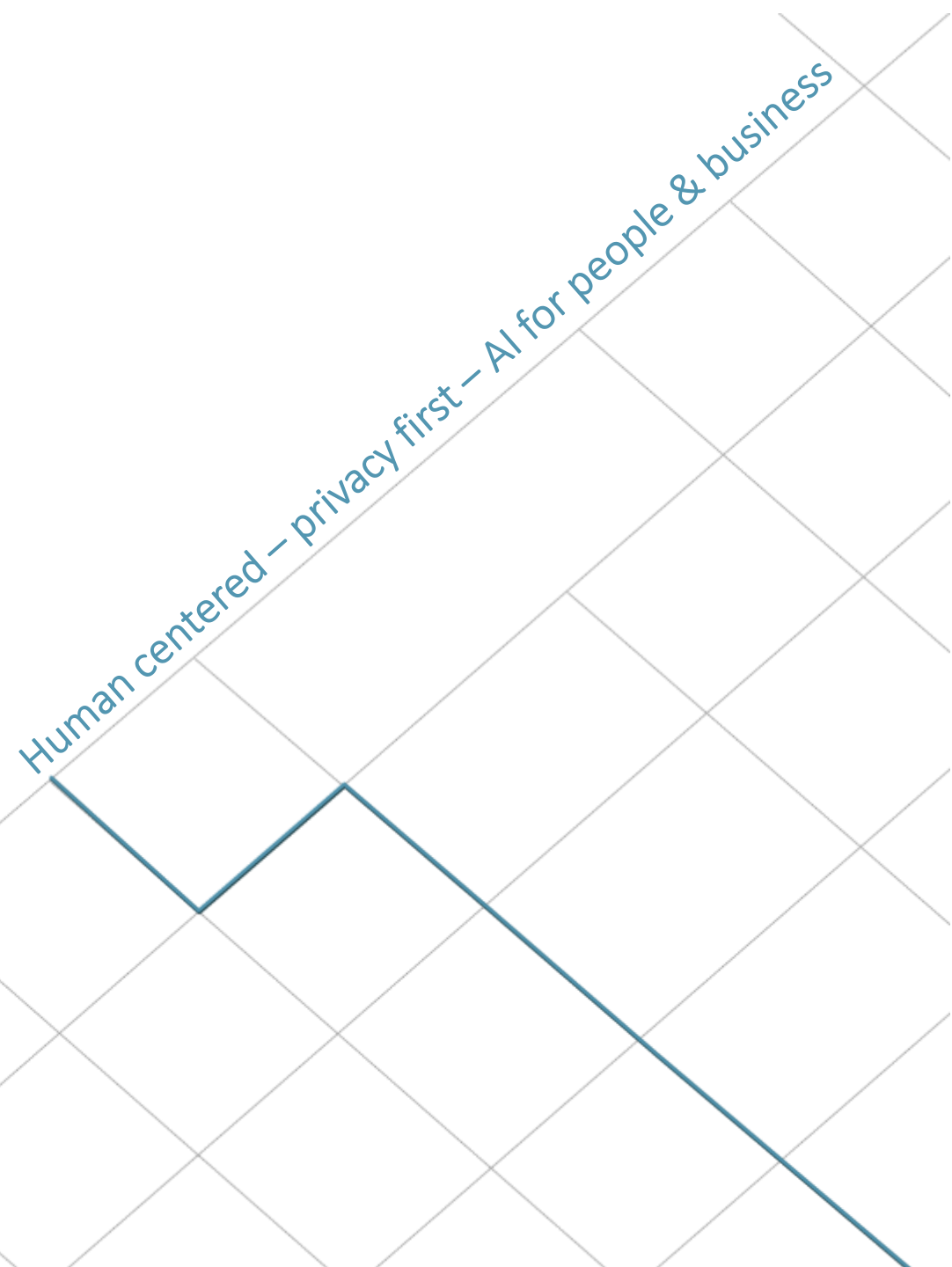


Digital City Operating System

life.ai has created a Digital City Operating System to simplify connected life through great experiences.



Human centered – privacy first – AI for people & business

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

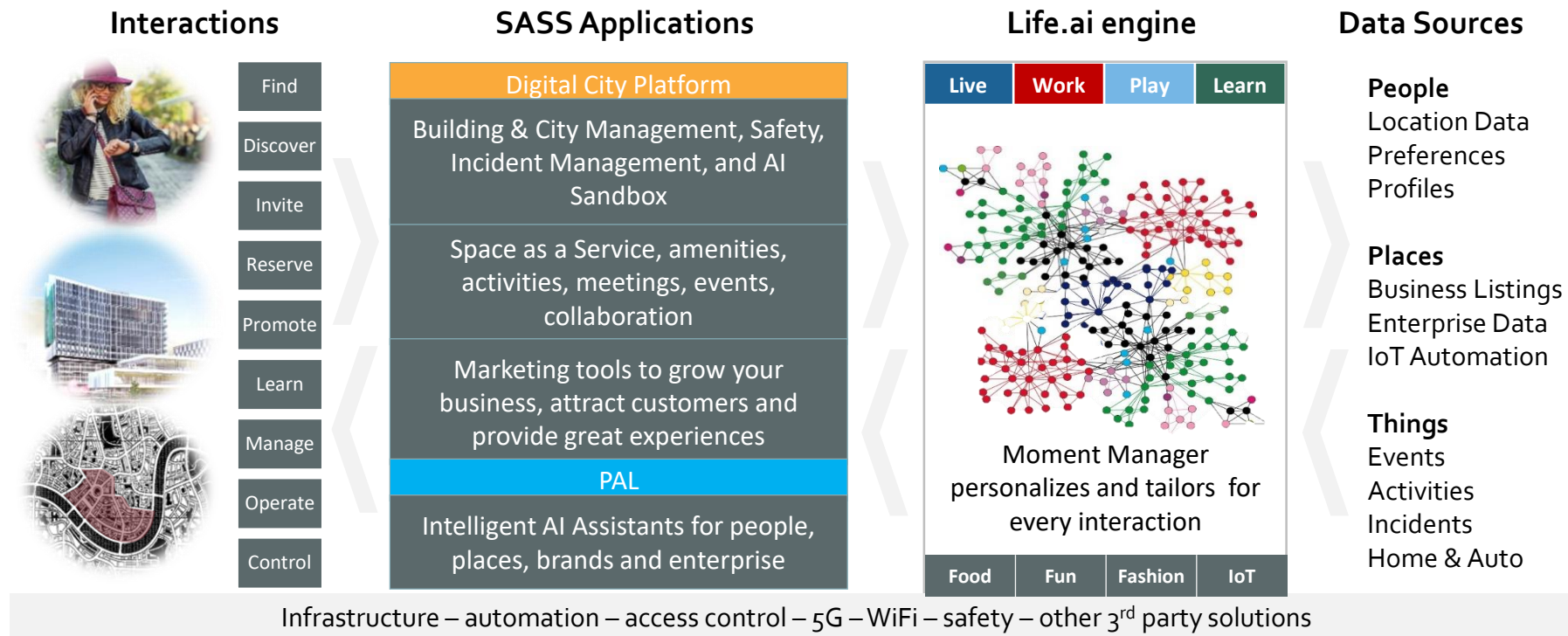
Benefits all members of Real Estate Development ... Cities, small business, retail, services, office and brands all share platform access and can connect to people, places and things

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



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

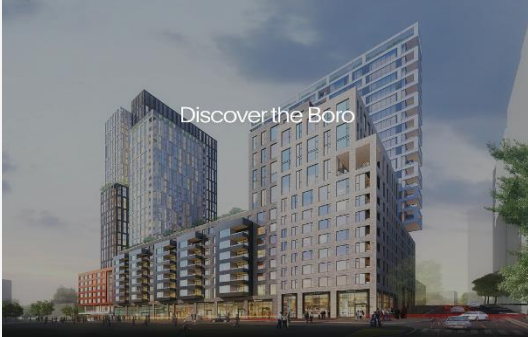
- Shared Repository – target > 80% reusable
 - AI models and predictive analytics shared
 - User experiences and web/mobile application
 - Fully integrated backend / operations
 - Best in class solutions and approaches
- Target 80X – ROI
- Marketplace to try / use / share ideas & solutions
- Royalty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

Investment

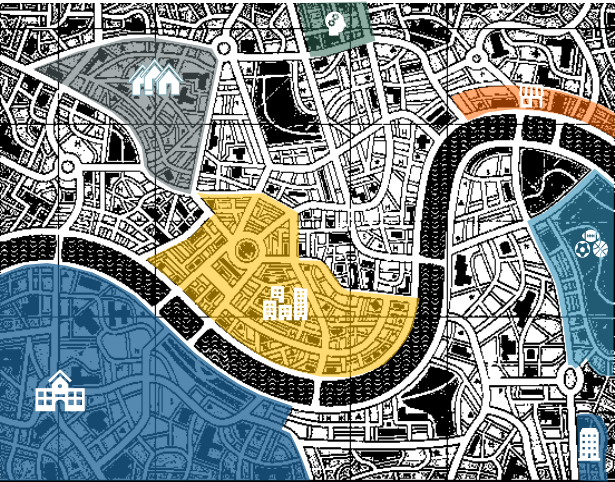
\$250,000+ depending on scope

Implementation Step 1. – based on your priorities

Could be focused on lease-up, experience or city services.



By District or Area or Interest

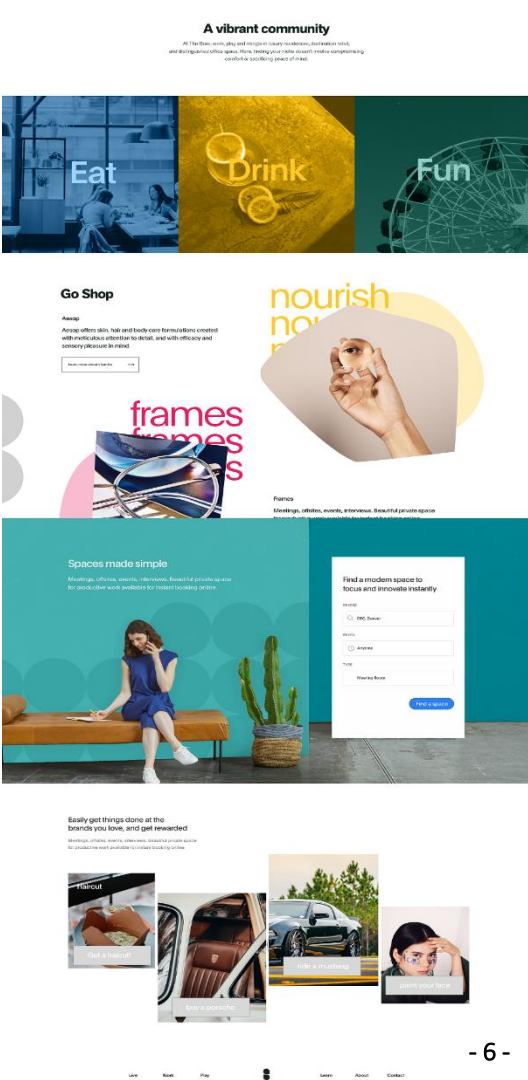


Micro-Districts



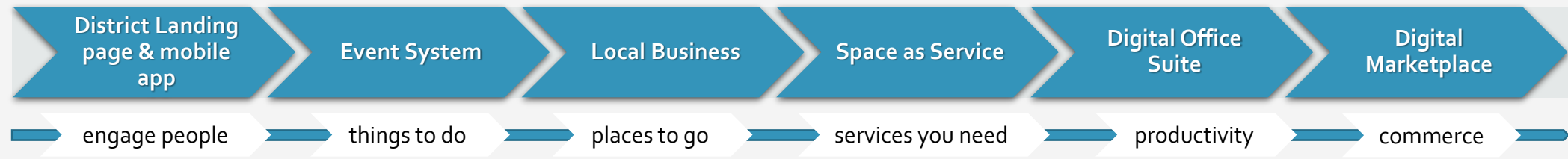
- Venues
- Mixed Use / District
- Small Business / Retail
- Digital Office (SME)
- Space as a Service
- Enterprise / Universities
- Operations / Smart City

Demonstration Videos



Implementation Step 2. – Build | Promote | Scale

Typical Flow (re:developer) – start with



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

✓ Now 📅 Soon

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

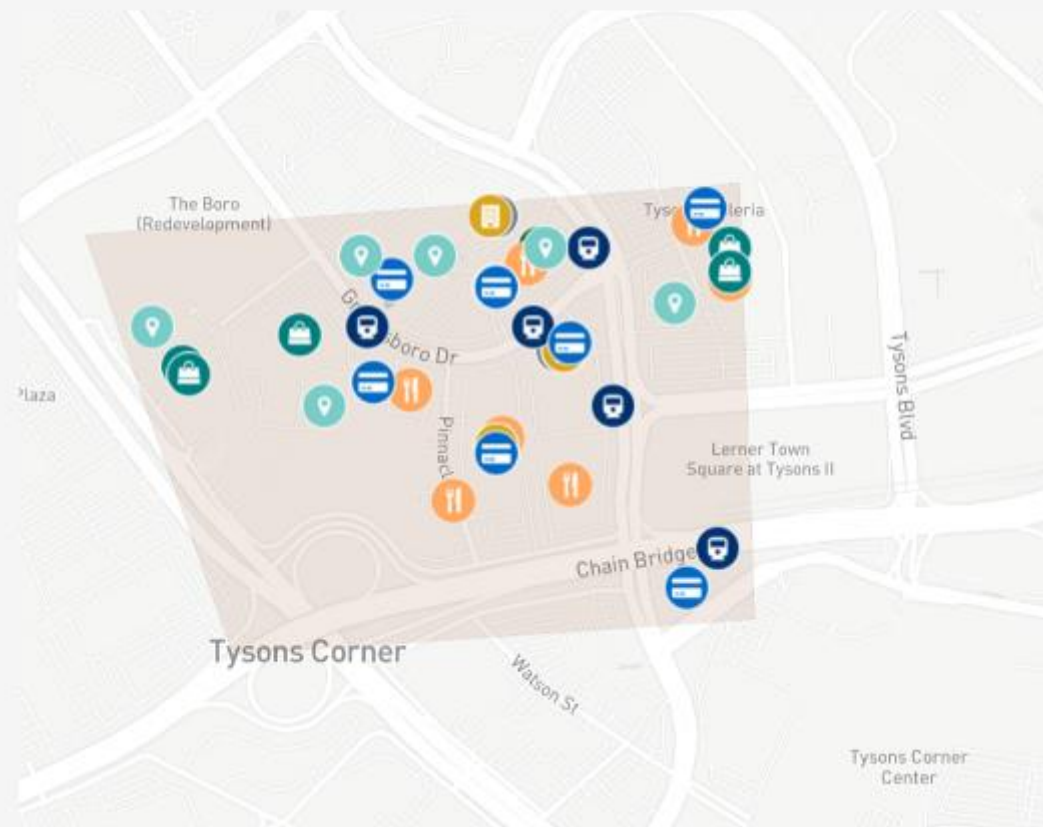
Monitoring & Control

- Environmental
- Safety – Density
- Trouble Tickets
- Transportation

AI Assistants / Integrations

DASHBOARD / GEO FENCE / SMART DISTRICTS / LOCATIONS

Tysons



Layers

Businesses

Edit

Connectivity

First Responders
Events / Activities

Infrastructure

Lighting,
Energy, Water, Gas

Transportation

Traffic, Cars, Trains
Incidents

Safety

Cameras
First Responders

Environmental

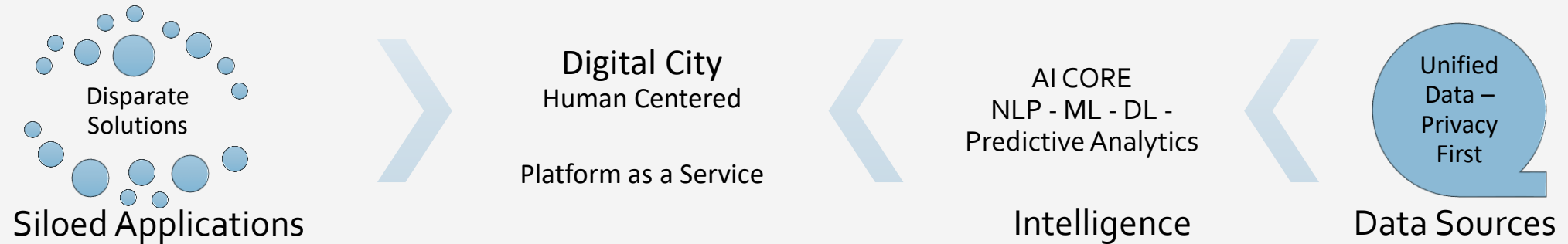
Air Quality

People

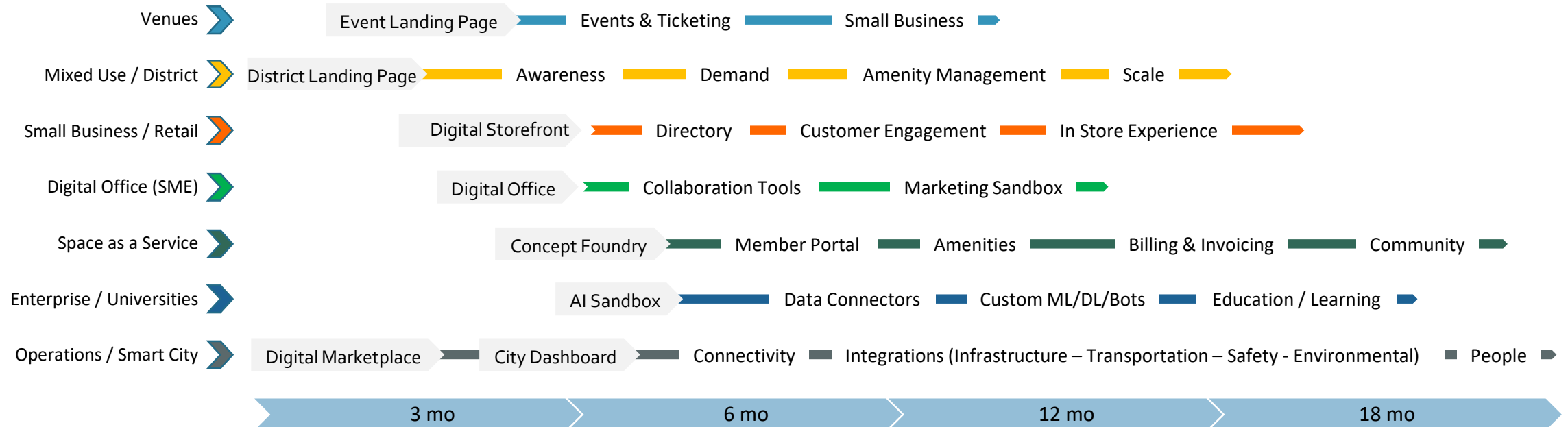
Places
Load - Density

Scaling Plan

Future proof → add new capabilities in communications, retail, and operations



Customer Experiences



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)

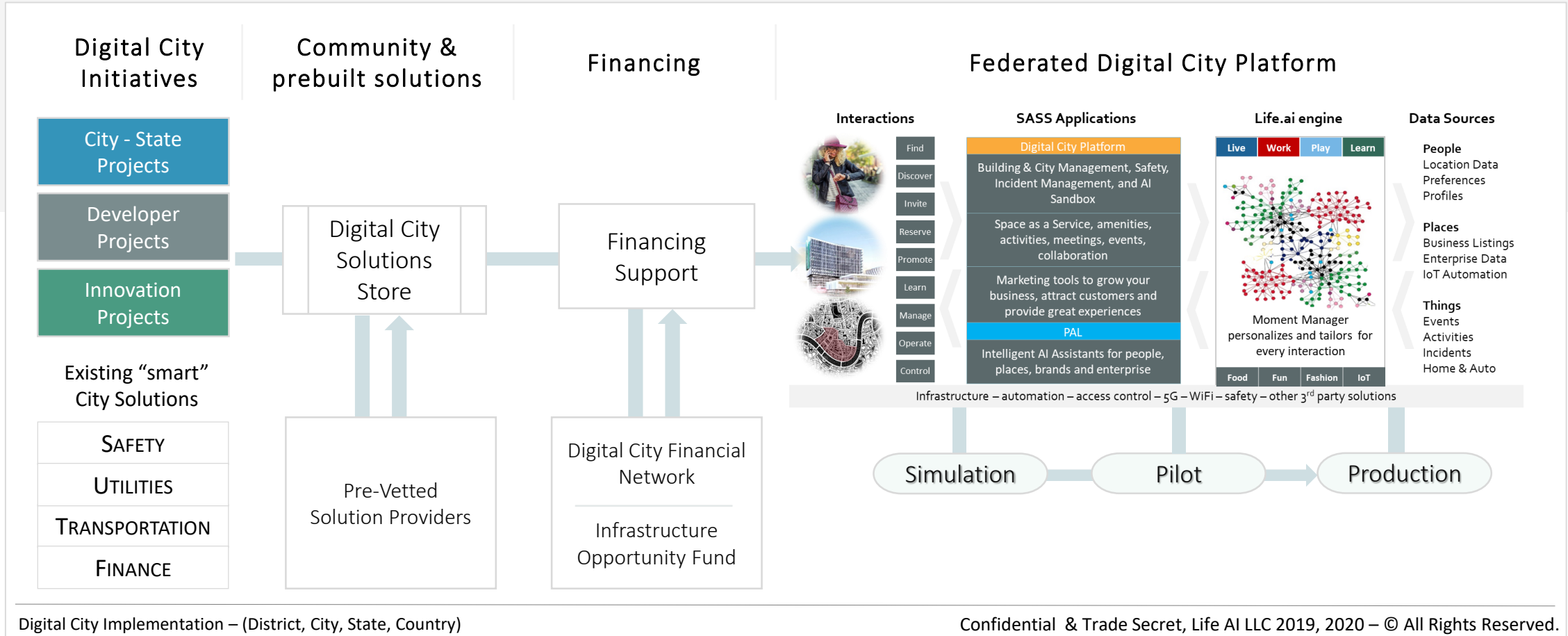
Membership model shared R&D

- \$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



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

	Digital City	Digital Office	Digital Storefront
AI & ML/DL & Cloud	Microsoft AI	aws activate	IBM Watson™ Ecosystem Partner
Big Data & Analytics	SAP HANA	PostgreSQL	neo4j
Data & Payment	WOLFRAM	place	Square
Integrations (partial)	Samsung SmartThings	Works with Apple HomeKit	toast
Network & Security	AVAYA	Extreme networks	KASTLE
Tools & Frameworks	Android Developer	GitHub	TeamCity
	laravel	ANGULAR	node
	Platform as a Service		

Dashboard

Backend Applications

Applications

Businesses

Locations

Social Connections

Users

Media Manager

Assets Manager

Customers

Geo Fence

AI Sandbox

Settings

Licensing

Help & Docs

Current Business: Neon Mobile

Current Location: 2115 and 2121 Wisc...

Welcome, diadouceur

roomType

```

1 {# Neon Mobile HQ location with menus and bookings #}
2 {% set locationId = 4606 %}
3 {#{% set customer = Customers.getCustomerProfile() %}#}
4 {#{ Twig.setDebug('customer', customer) }#}
5 {# check if customer is calling this, and use his locationId #}
6 {% if args.locationId %}
7   {% set locationId = args.locationId %}
8 {% endif %}
9
10 {#{Hours.init(13)}} #}
11
12 {% set availableResourceTypes = Resources.availableResourceTypes(locationId) %}
13
14
15 {% set resourceNameEntity = EntityRecognizer.findEntity(args.entities, 'RoomName') %}
16 {% set resourceTypeNameEntity = EntityRecognizer.findEntity(args.entities, 'RoomType') %}
17
18
19 {##### putting conference room as default #####}
20 {% if not resourceNameEntity %}
21   {% set resourceTypeNameEntity = {
22     "entity": "conference room",
23     "type": "RoomType",
24     "value": "conference room" }
25   %}
26 {% endif %}
27
28
29 {% set dateTimeEntity = EntityRecognizer.findEntity(args.entities, 'builtin.datetimeV2.datetime') %}
30 {% set dateTimeRangeEntity = EntityRecognizer.findEntity(args.entities, 'builtin.datetimeV2.datetime') %}
31 {% set durationEntity = EntityRecognizer.findEntity(args.entities, 'builtin.datetimeV2.duration') %}
32 {#time value#}
33 {% set timeValue = EntityRecognizer.findEntity(args.entities, 'builtin.datetimeV2.time') %}
34 {# initialize empty conversationData session on bot #}
35 {% set args = Twig.set(args, 'conversationData', {}) %}
36 {#{ Twig.setDebug('args', args) }#}
37
38 {# save resourceTypeName in bot session #}
39 {% if resourceTypeNameEntity %}
40   {% set args = Twig.set(args, 'conversationData.resourceTypeName', resourceTypeNameEntity.value ) %}
41 {% endif %}
42 {#if room names is present#}

```

Life AI – AI Sandbox



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

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