Collective Urbanism

w/Tokenized Location Data

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Our definition of “Smart City”
スマートシティの定義

Smart community + Technology = Smart City
スマートコミュニティ + テクノロジー = スマートシティ

社会課題層

walkable city
歩けるまち構想

IoT

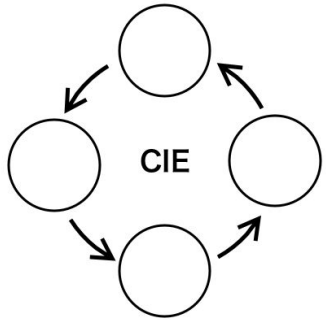
安心・安全

脱車依存社会

マイクロ・モビリティ

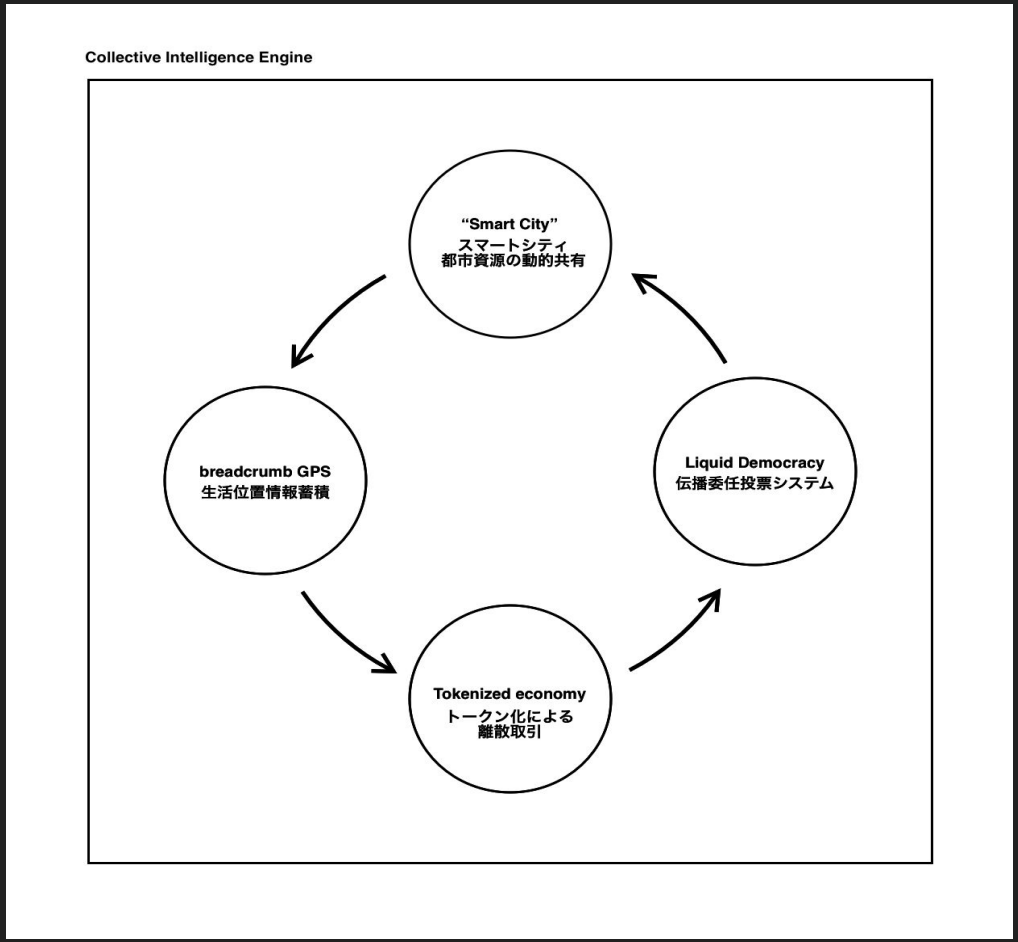
ニュー・ロジスティクス

集団的都市形成エンジン



インターフェース層

4 elements of Collective Intelligence Engine
集合的意思形成エンジンの4要素

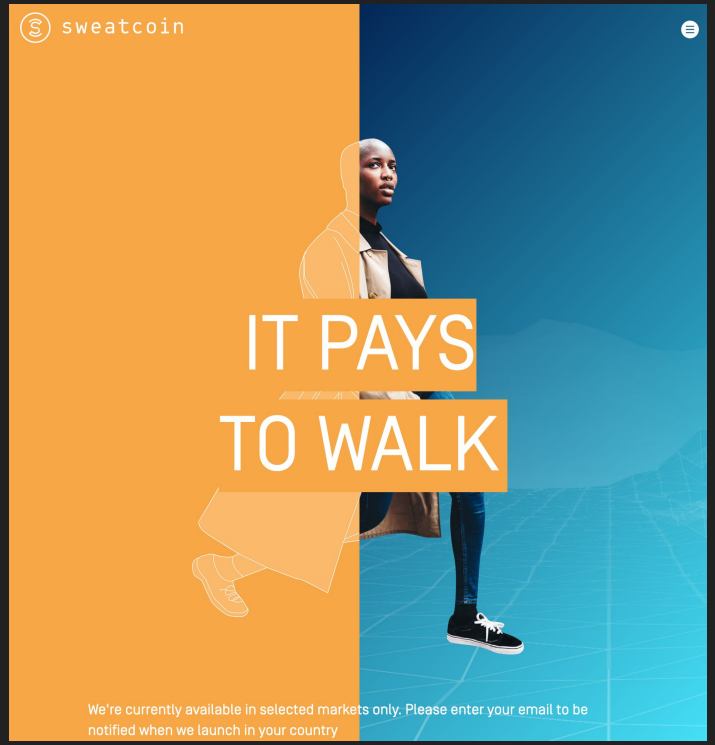


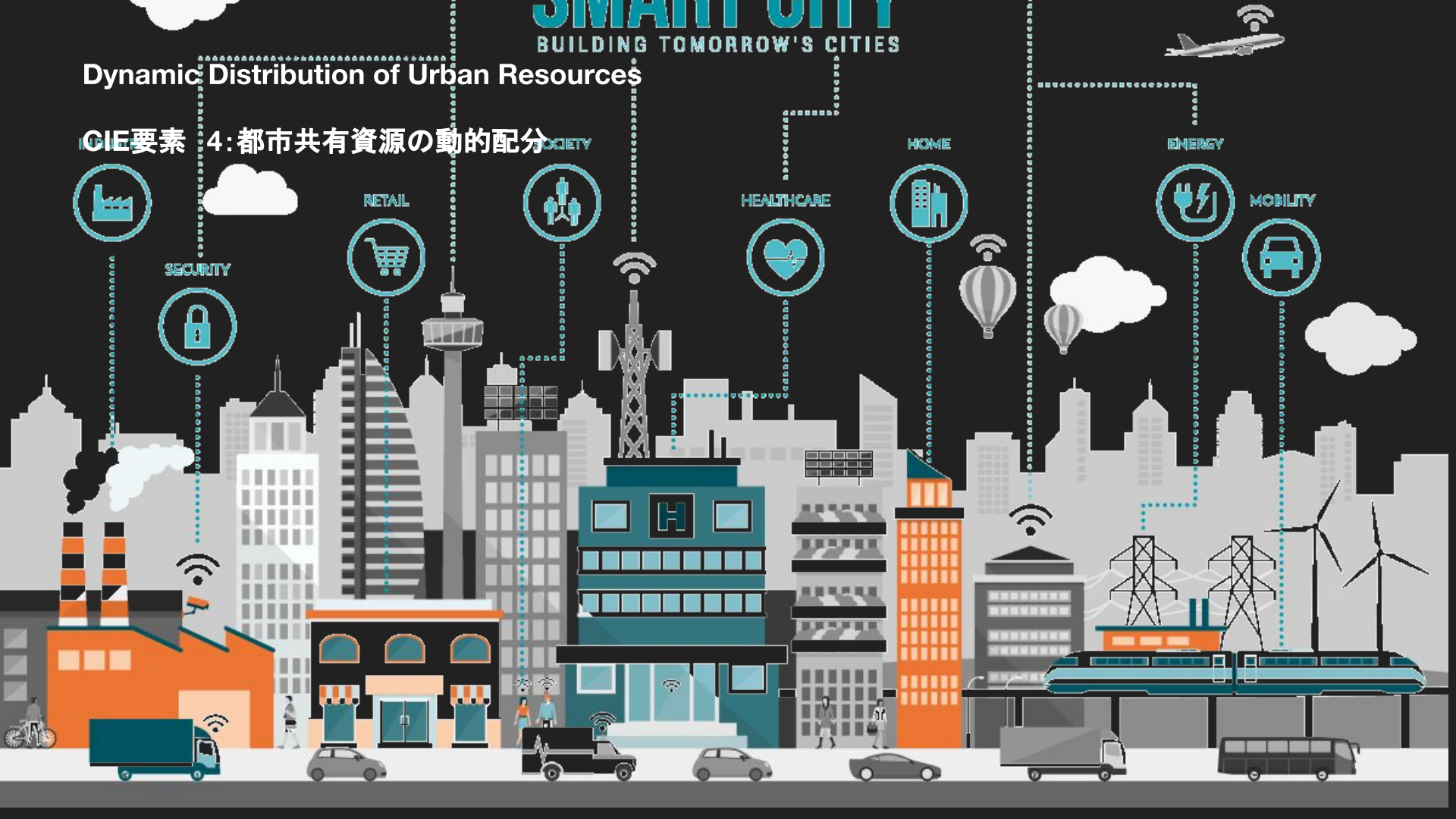
Breadcrumb GPS

CIE要素　1：パン屑GPS　　ー　生活位置情報の蓄積

Tokenized Economy

CIE要素　2:トークン化経済　ー離散的取引システム





Dynamic Distribution of Urban Resources

CIE要素　4:都市共有資源の動的配分

Potential uses

- Exchange with local produce
- Buying goods from local shops
- Temporal change in lane structure/usage
- Lure food trucks
- Lure amenities / tenants
- Vote on Planning schema
- Large scale infrastructure decisions (walls, bridges, highways, sewer systems)

Demonstration Example

Use of a smart share cycle
w/ GPS data

Demonstration example

1. **Dynamic** Planning of Bicycle parking

We decide what occupies a physical space such as bicycle parking lot by **collective decision-making**. It is necessary to balance between citizens (non-users) who do not use bicycles while each user has a desired spot. At the same time this can be crucial to create incentives for using the bike sharing service.

User type	**Desired bicycle parking lot location**	**Priority**
Users of Bike Sharing Service service	Near users' location	Medium
Mama-chari user	Near user's location	High
Pedestrian	Does not disturb walking	Medium
Car (use as parking lot)	Near user's location	Medium
Car / disability assistance	Near user's location	High
Operating company	Minimisation and proximity	Low

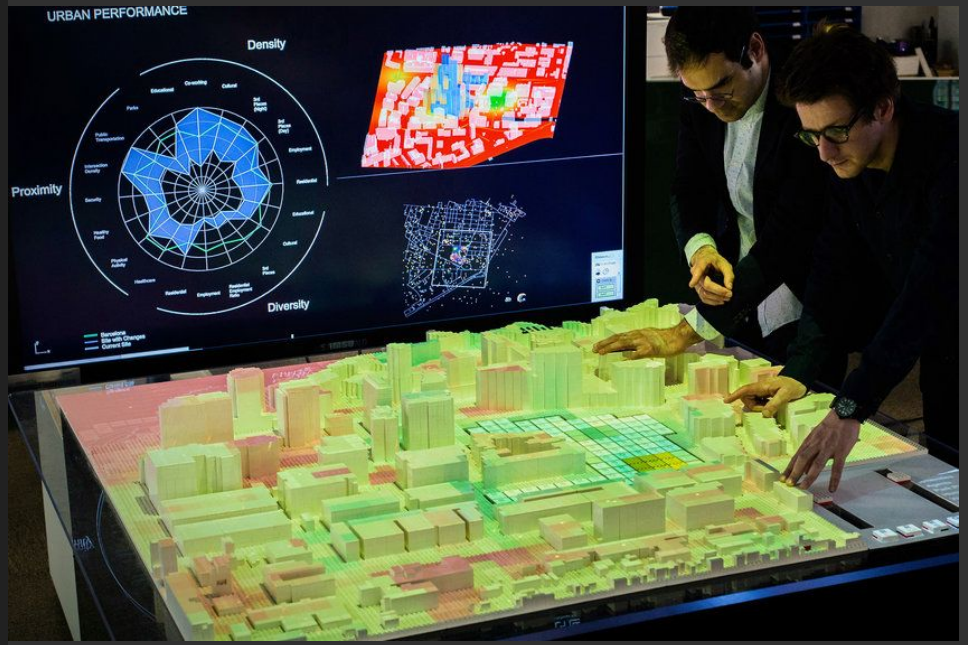
Demonstration Example

2. Lane speed limit and pedestrian zone planning

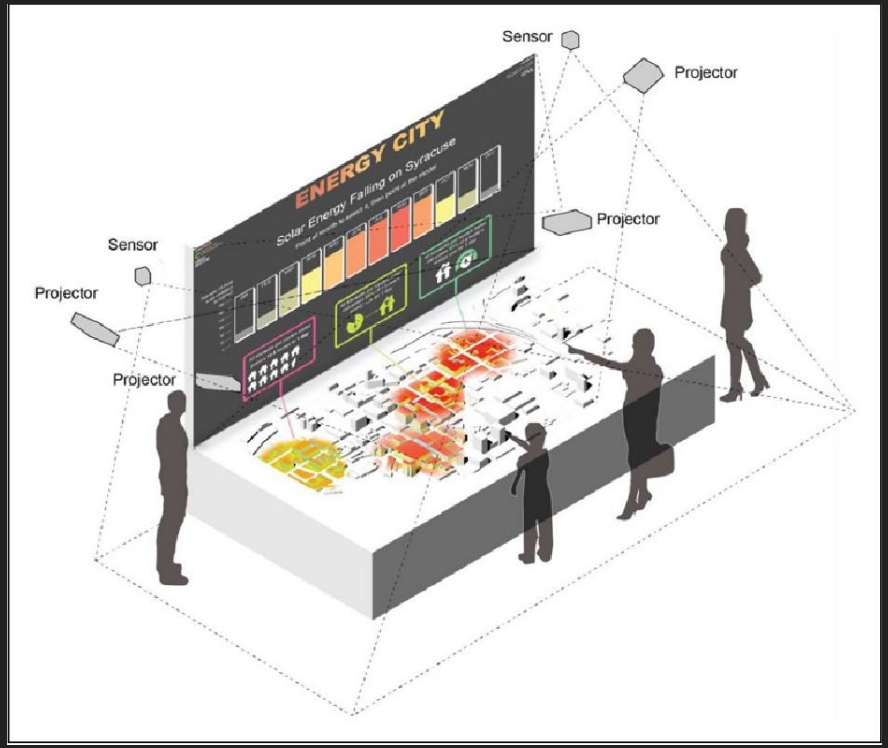
User type	Desired lane speed	Priority
Pedestrian	Pedestrian zone	High
Bicycle	Bicycle lane	Medium
Car	Legal speed	Low
Shop owner	Pedestrian zone	High

Implementation platform to be used:

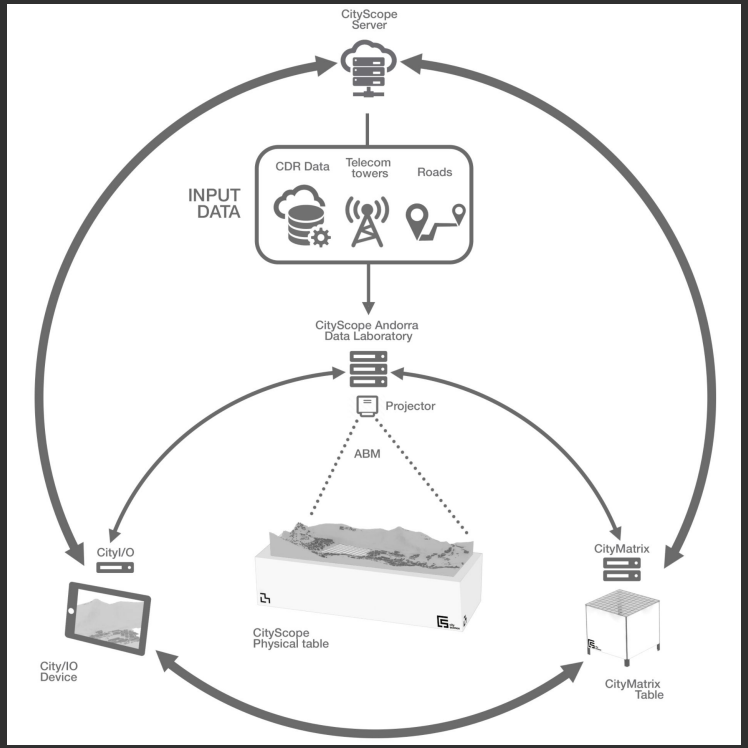
Cityscope, a collaborative tool developed by MIT Media lab



Principle

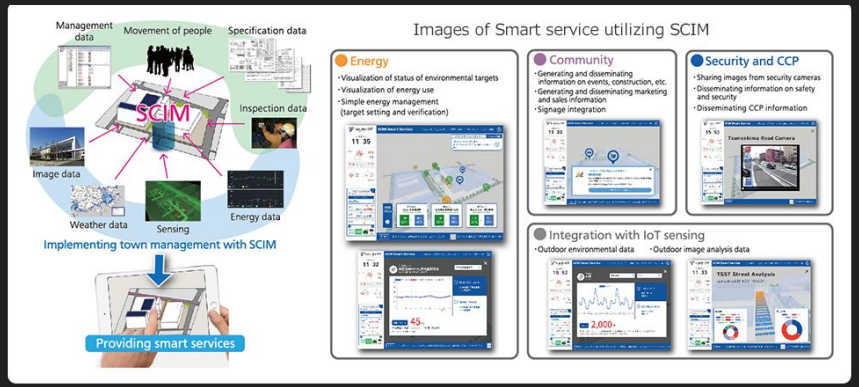


Functioning



Potential implementation Locations where contact is established

Tsunashima SST

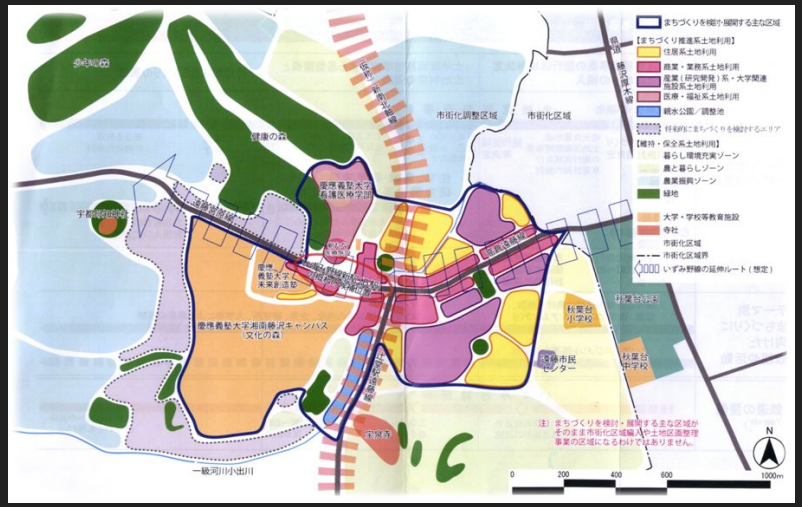


Fujisawa SST

Smart City Information Modeling (SCIM)

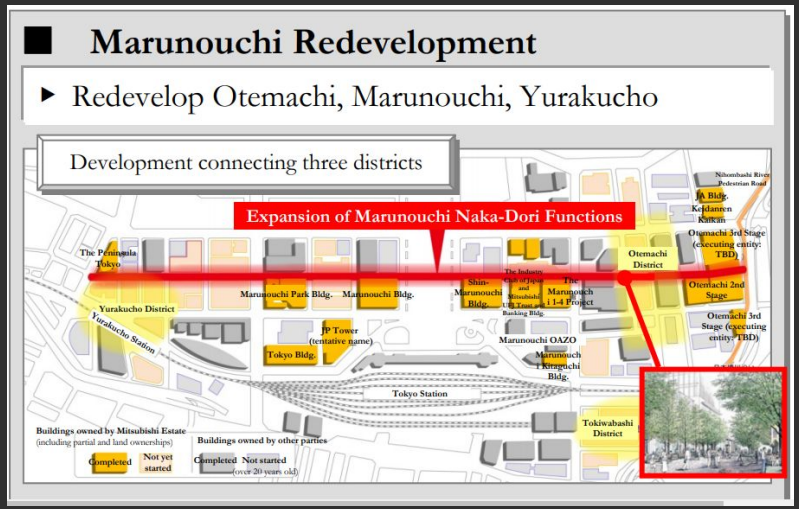
developed by Panasonic Corporation.

SFC project



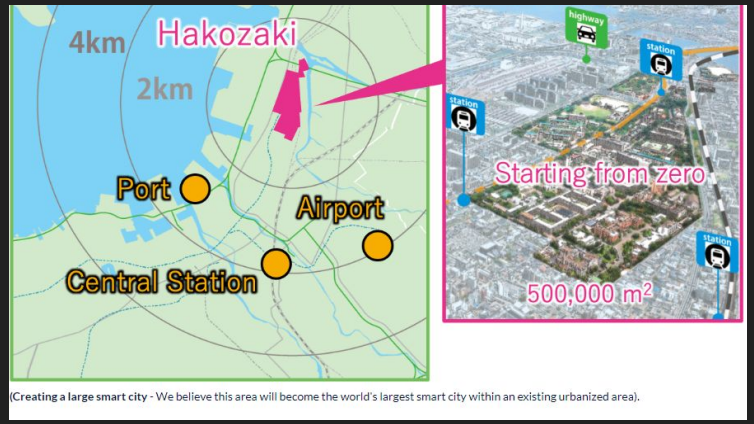
District Development project, centered around a future Campus Rail Station.

Daimaruyu Area



Otemachi, Marunouchi, Yurakucho.
TMIP (Tokyo Marunouchi Innovation Platform)

Hakozaki Smart City



(**Creating a large smart city** - We believe this area will become the world's largest smart city within an existing urbanized area).

Fukuoka Smart East

THANK YOU