



## LandsMaps & CondoMaps: Essential Tools for Property Valuers

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Mission of Department of Lands

Information System Diagram

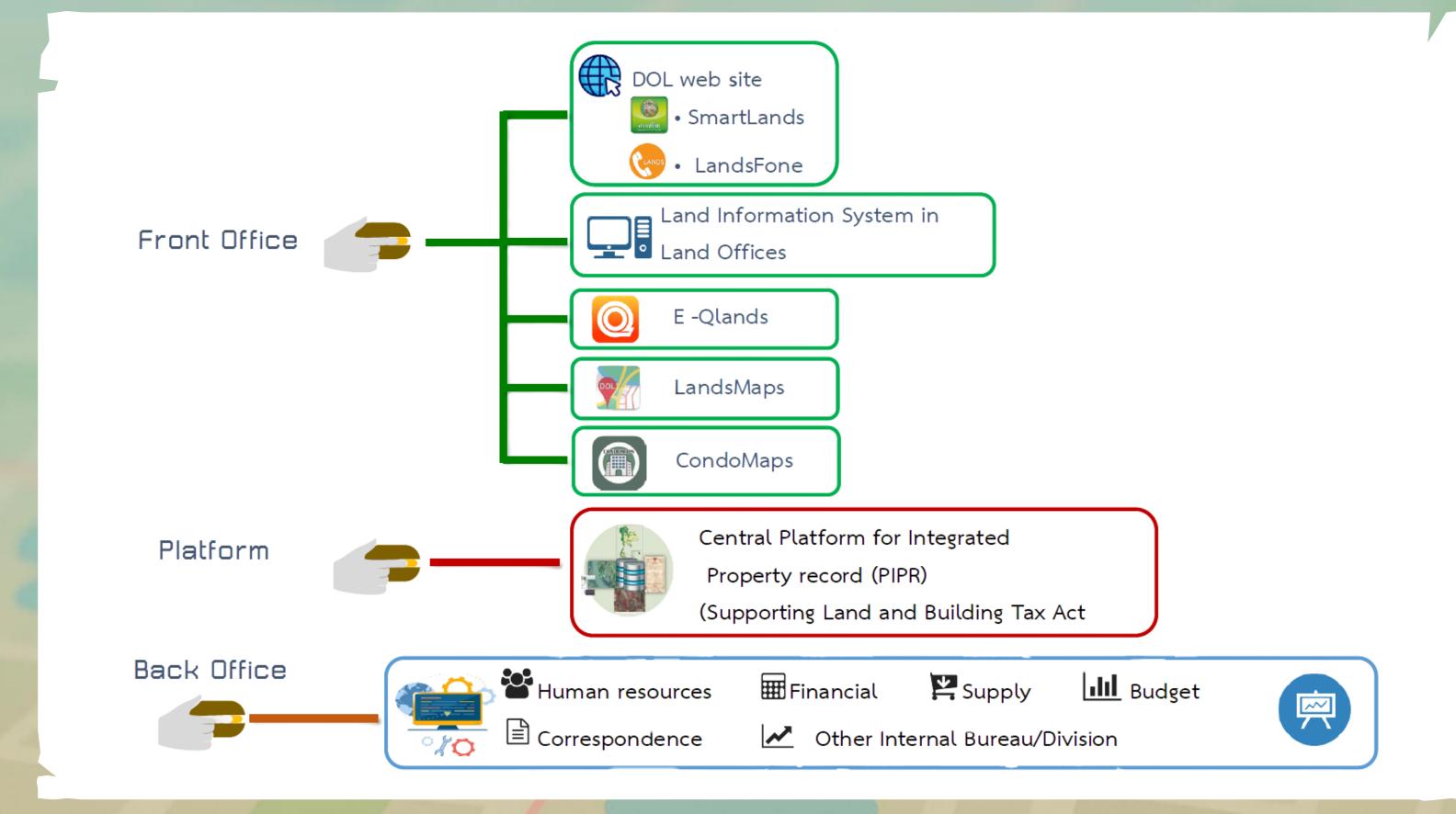
LandsMaps

CondoMaps

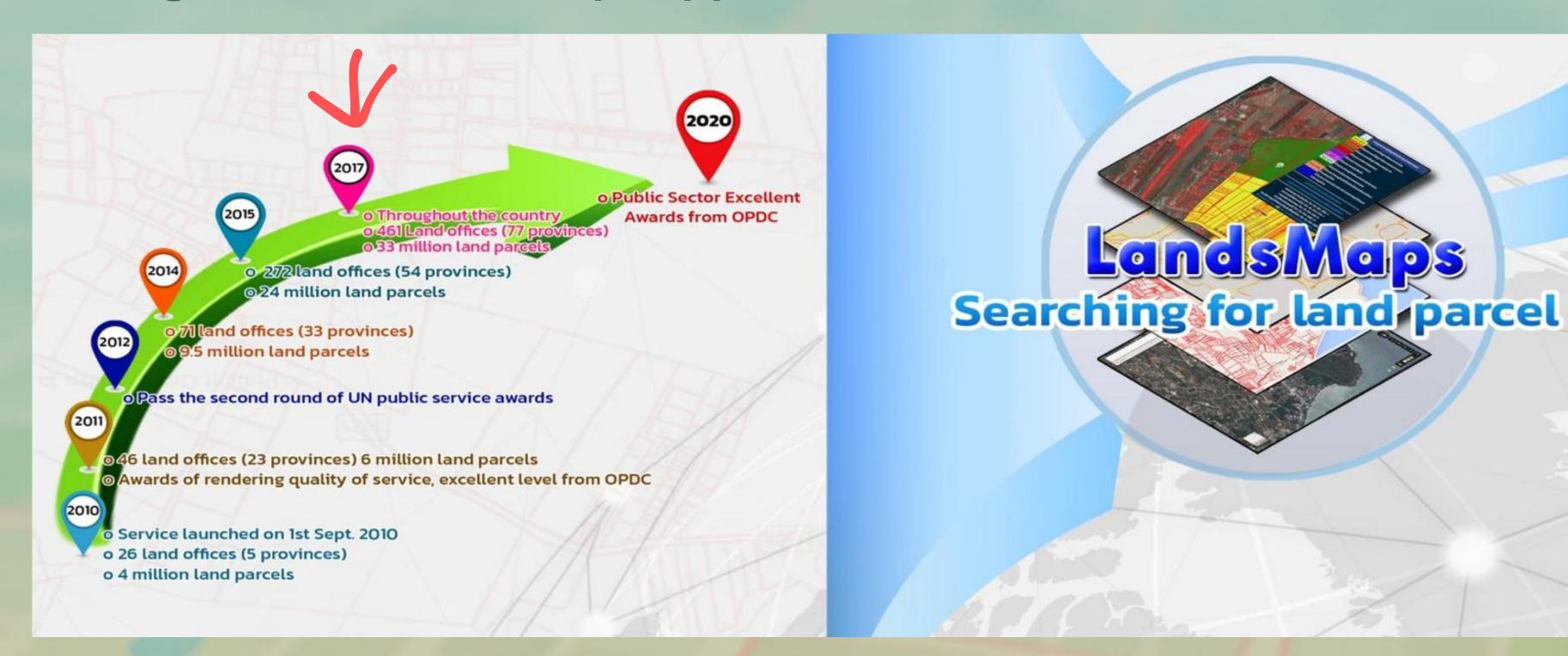
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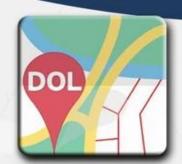
- 1 Protecting the land rights for the people according to the law.
- Integrating with relevant agencies in issuing title deeds to the people in unity.
- 3 Being the Land and Mapping Data Center of the Country with the same standardized database system to support land use for the country's economic, social, and security development.
- Developing a public service regarding the land with electronic systems of international standards and real estate business promotion for national development by officers with high performance and good governance.

# Information System Diagram Department of Lands, Ministry of Interior, Thailand



#### **Background of LandsMaps application**





### LandsMaps

A system rendering service to search for land parcel's location with the GIS via the internet

#### **Beneficials**

for users register with ThaiD, OpenID Or "ทางรัฐ" Application



- Pay land and building tax
- Display Title deed, survey no. and land parcel no.
- Record land parcel
- Receive map layer more than ordinary user

#### **Through Mobile Devices**





Choose province Choose district Input title deed no.



Display details



Pay land of the land parcel and building tax



(only for users register with ThaiD, OpenID or "ทางรัฐ" Application)

Street View

Typing "searching for land parcel"



in Google Search or https://Landsmaps.dol.go.th



EN

Bilingual system

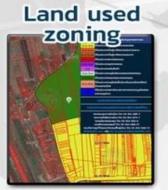
△ Login/User Register

Choose province **Choose district** Input title deed no. Press searching button



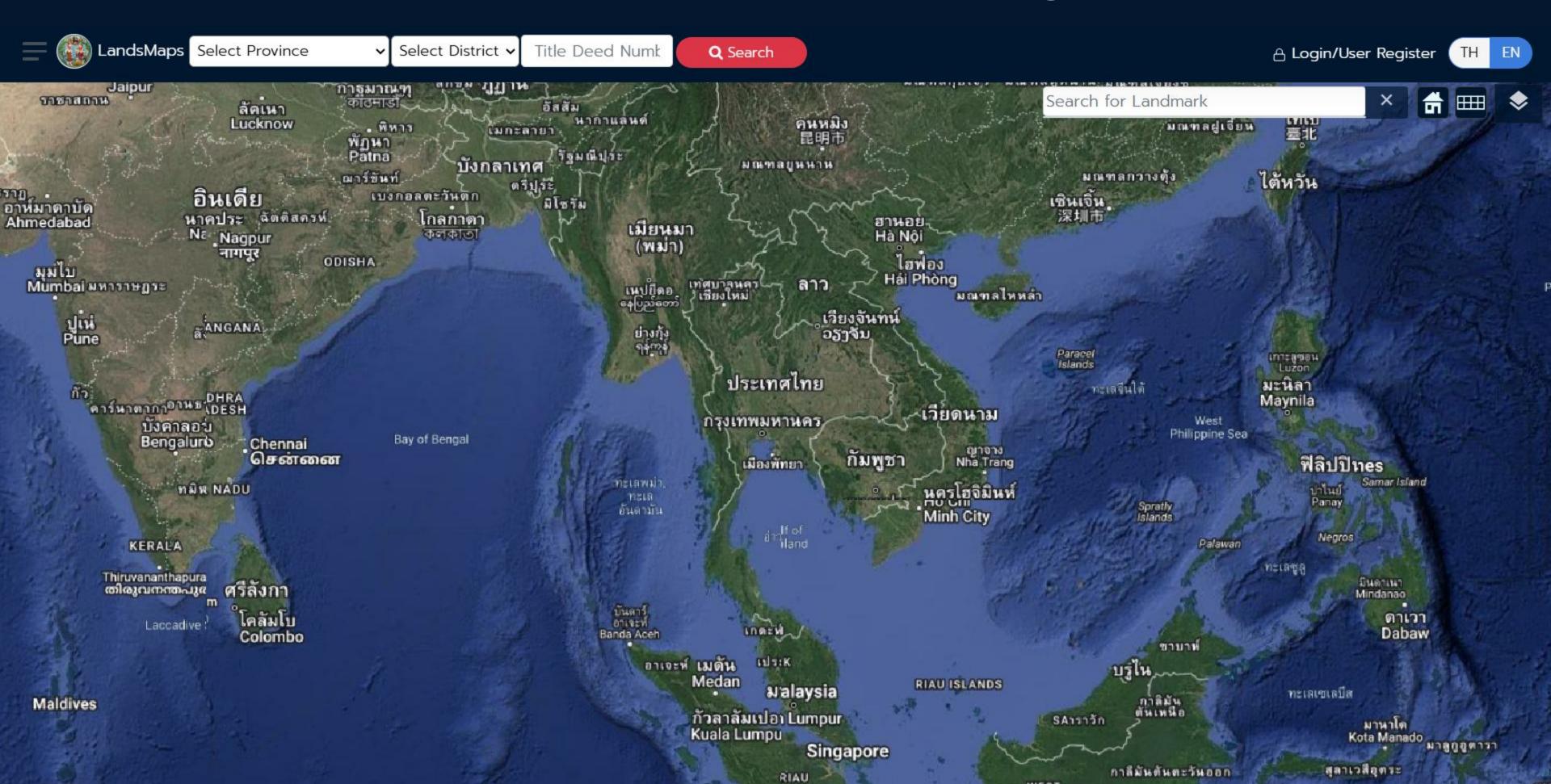




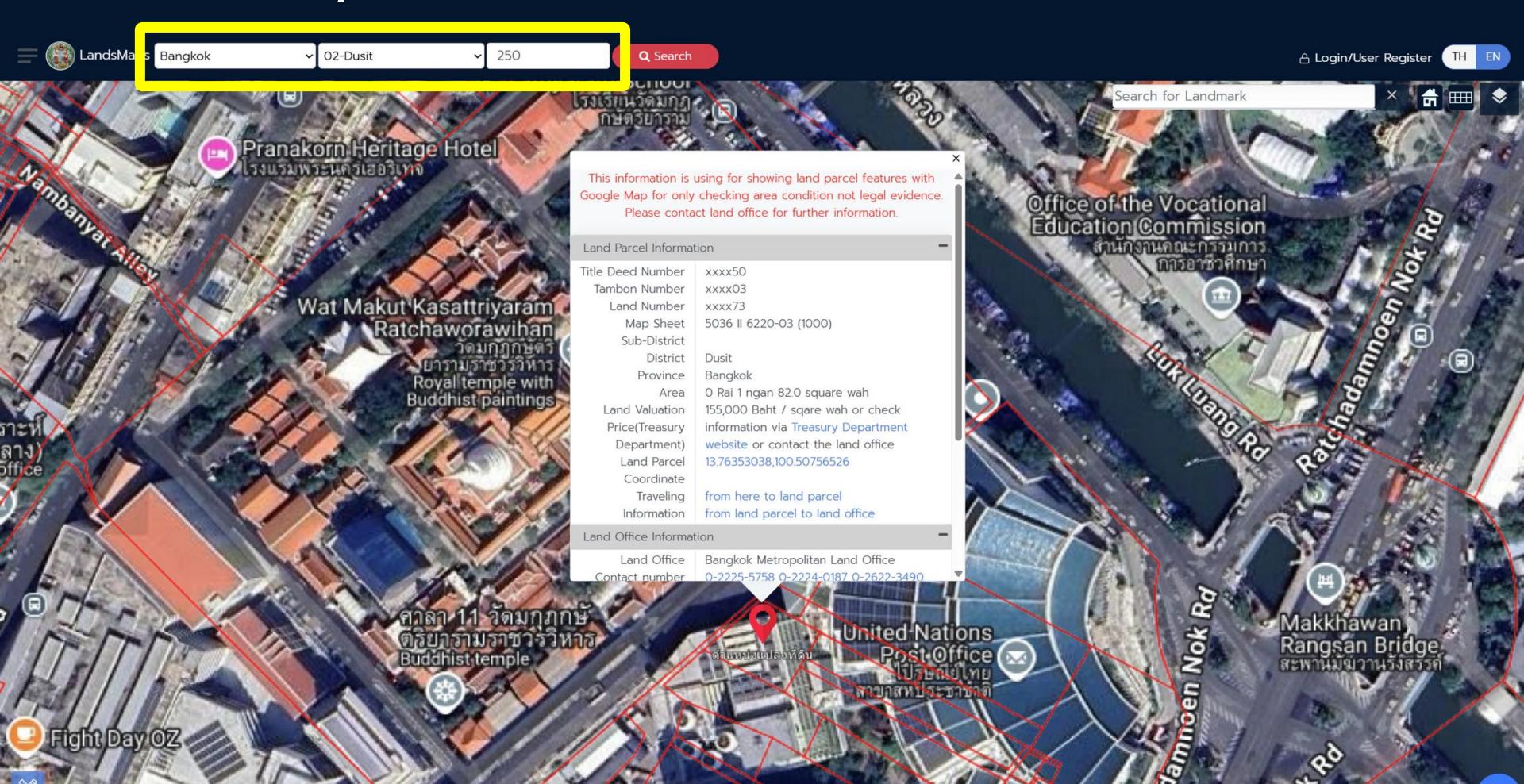




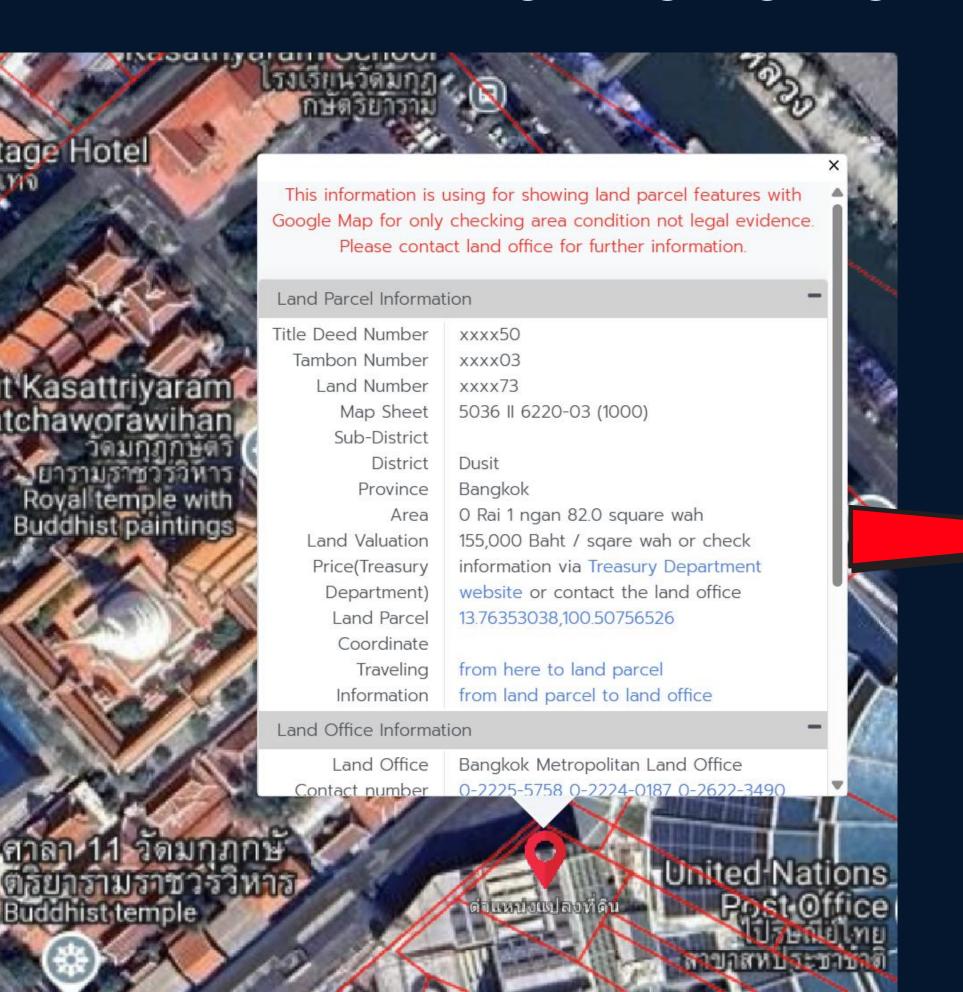
## https://landsmaps.dol.go.th



#### 1. Search by Province name, District name, Title deed number



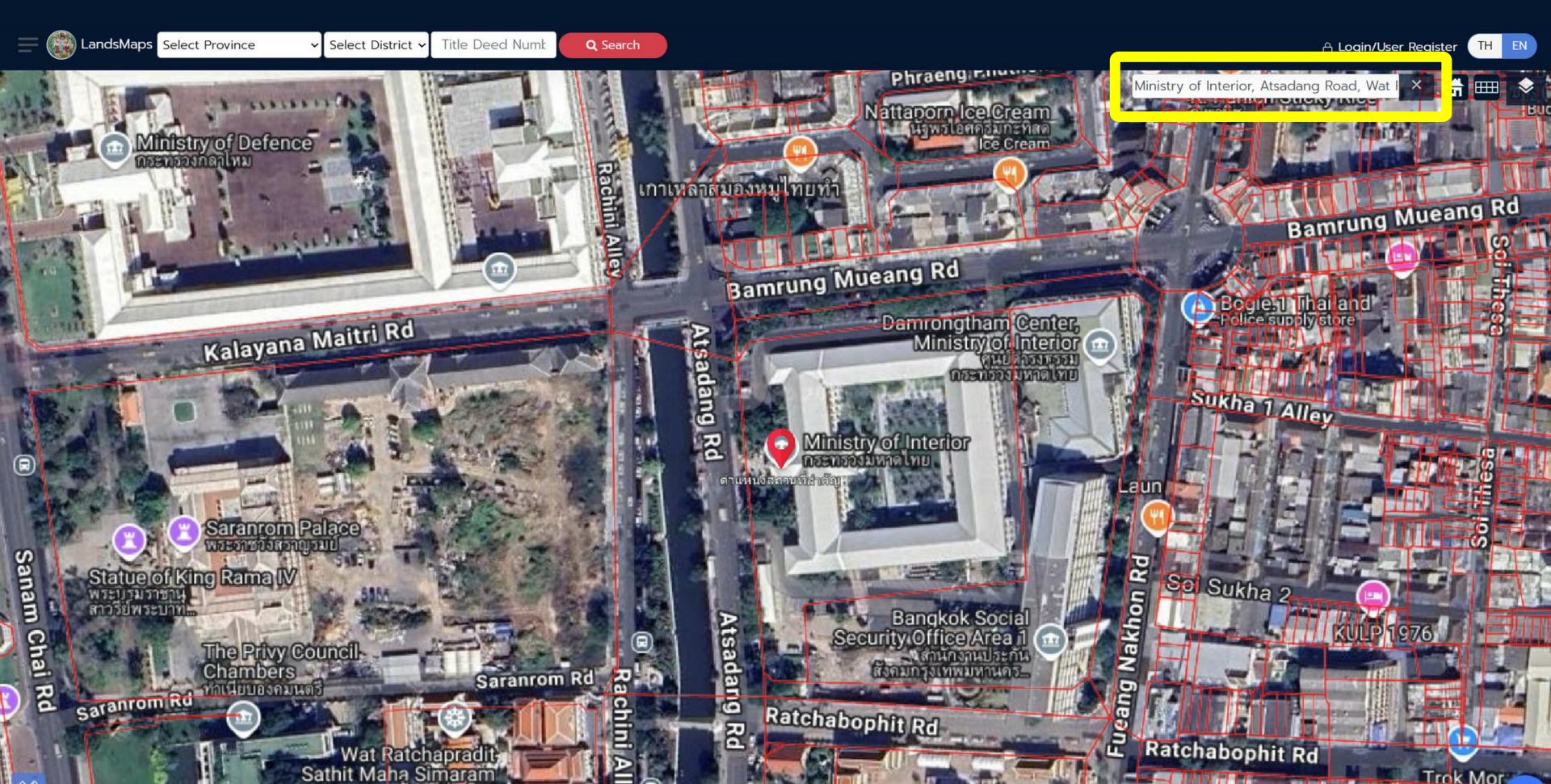
#### Information of Land Title Deed



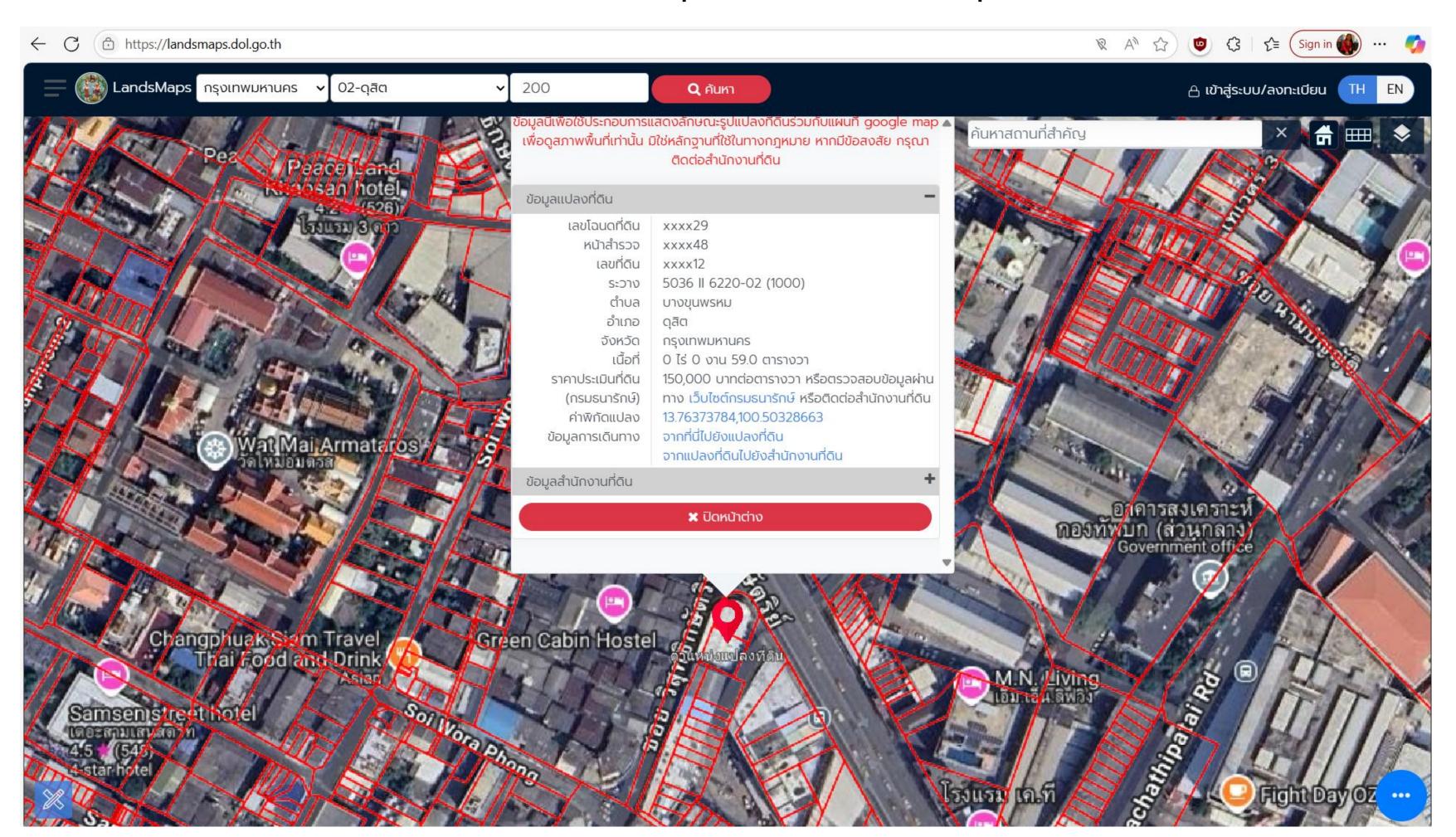
\*\* No information of Land owner due to PDPA Act.

- 1. Mapsheet no.
- 2. Parcel no.
- 3. Tile deed no.
- 4. Sub-district no.
- 5. Sub-district name, District name, Province name
- 6. Area
- 7. Responsible Land Office and phone no.
- 8. Land off.'s latitude, longitude
- 9. Land appraised value
- 10. Land's latitude, longitude
- 11. Survey fee detail
- 12. Expenses calculation
- 13. Waiting time for survey queue
- 14. Land utilization permission(Zoning Layer)

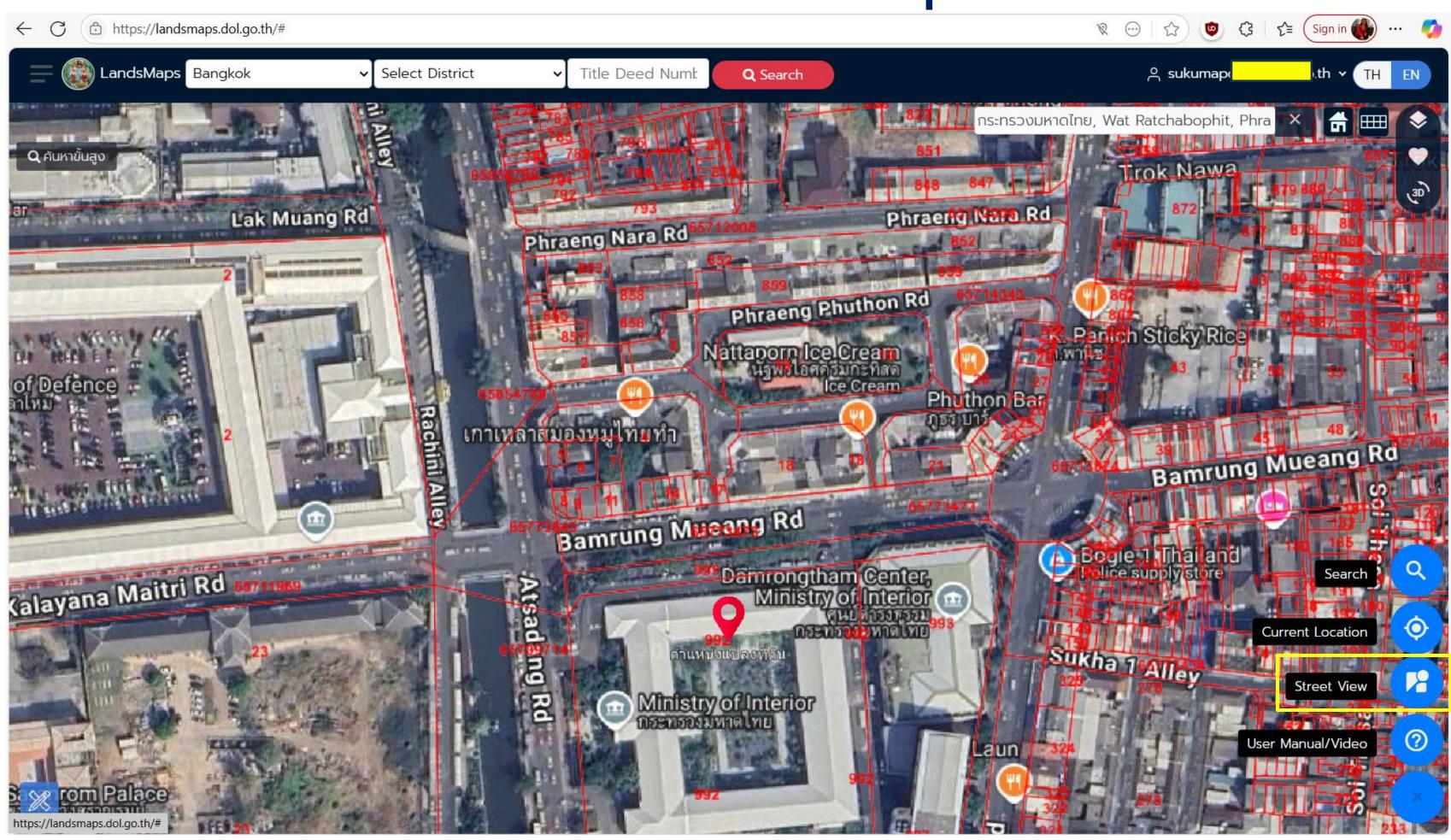
### 2. Search by Landmarks or well-known places



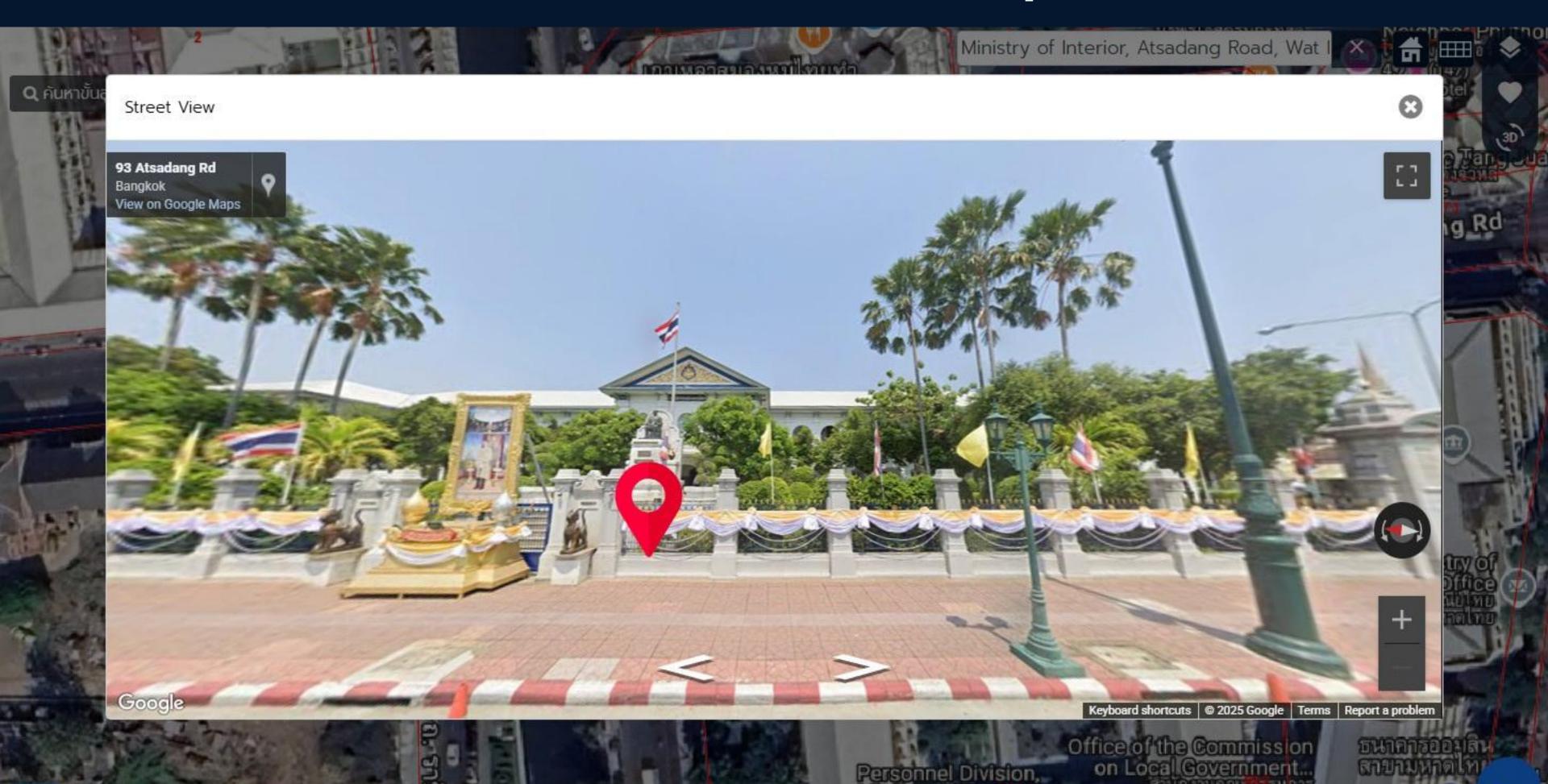
#### **Double Click for other land parcels' information on map**



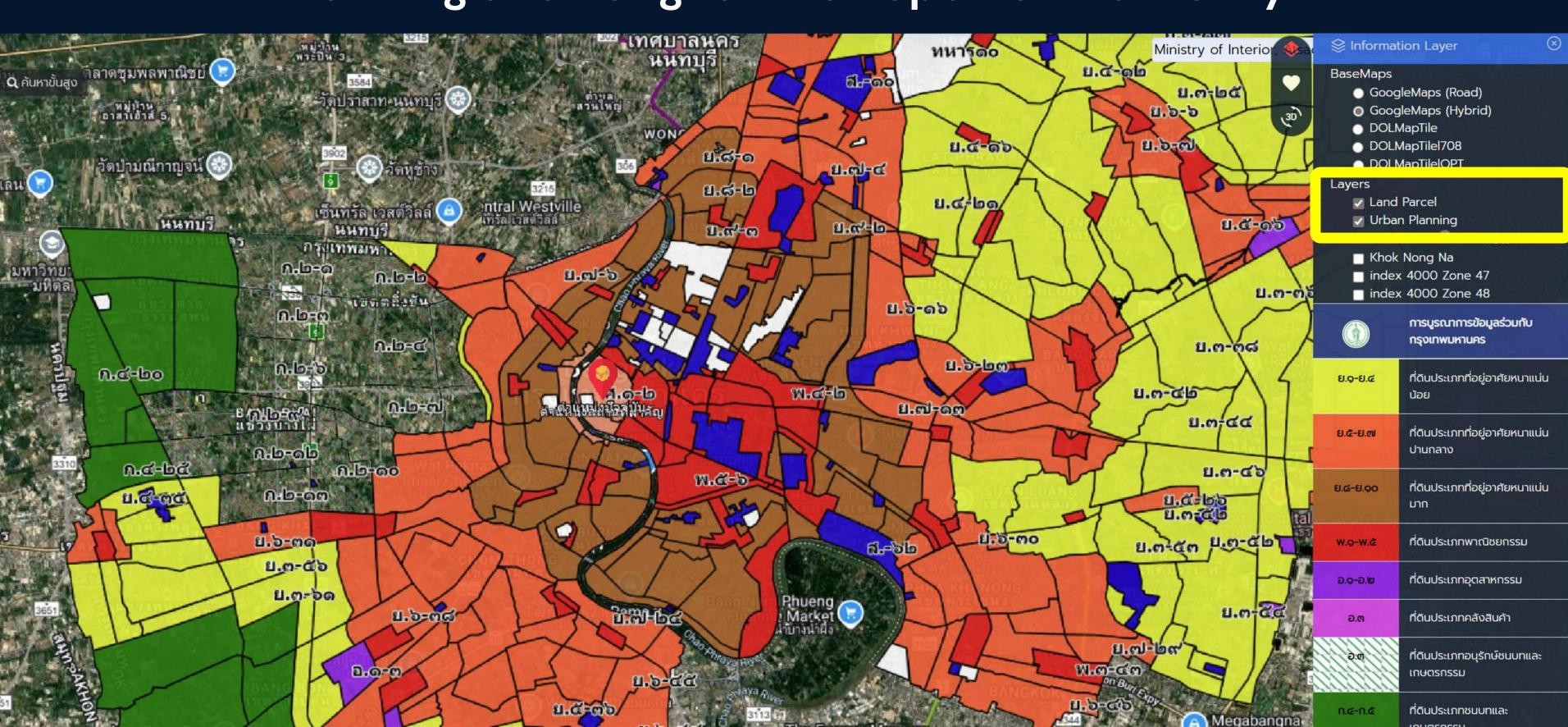
#### See Street view of land parcel



## See Street view of land parcel



# Overlap with Land utilization permission plan (Zoning layer) from Department of Public works and Town & Country Planning and Bangkok Metropolitan Authority

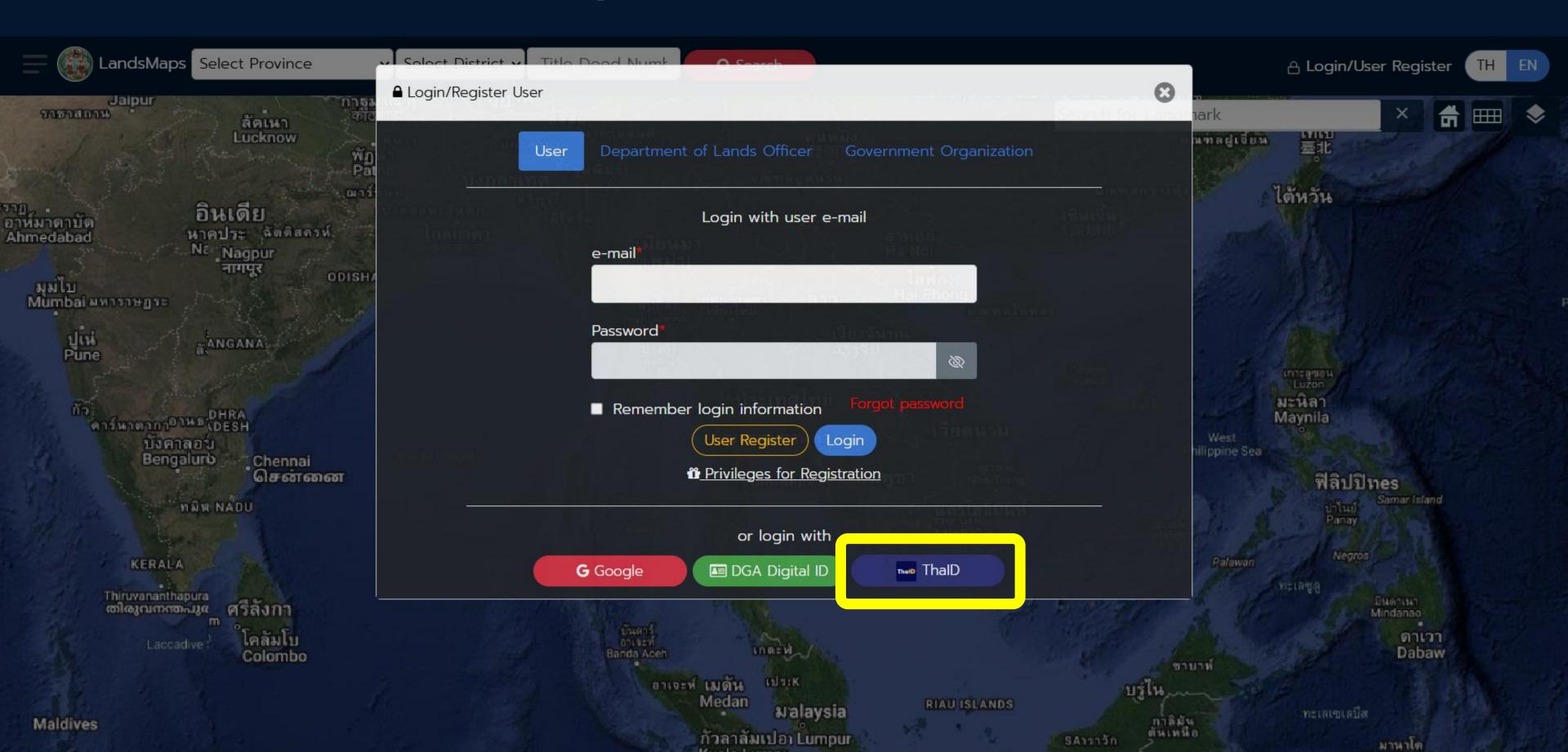




## LandsMaps and Personal Data Protection Act 2019

Due to Personal Data Protection Act, the completed information of land parcels will be displayed for the users registered to LandsMaps system. Users can verify their identity by ThaiD application or Digital ID provided by the Digital Government Agency (DGA)

## In addition, the amount of land & building tax will be displayed only for the land owner.





#### Privileges for Registration

- 1. Get to know the land owners' personal detail and contact number (This is applicable only for land owners who wish to disclose personal information to the public)
- 2. Able to document & save land plots in their personal profile
- 3. Will receive more map layer information than unregistered users.

Close the window

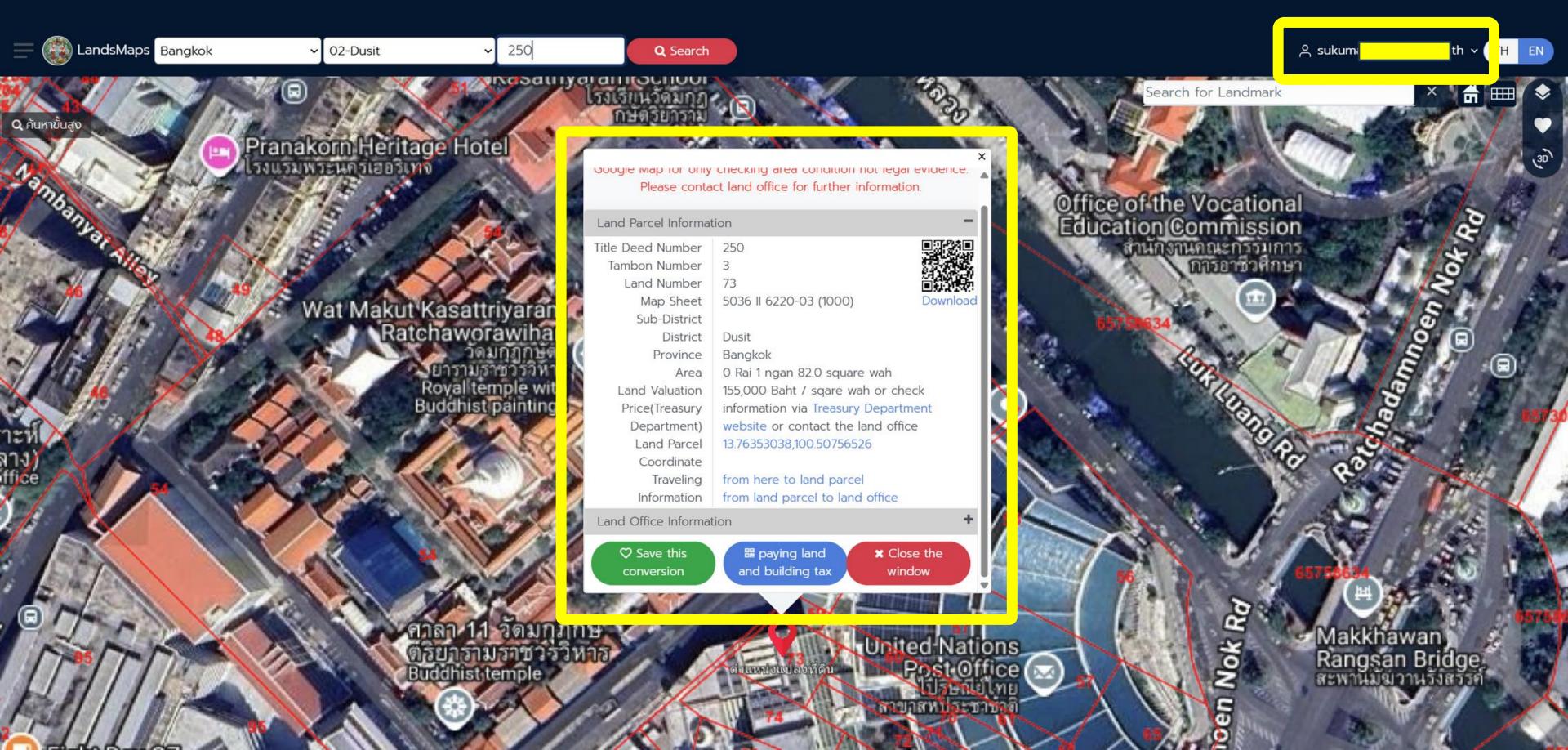
## เข้าสู่ระบบ

#### ระบบให้บริการค้นหาตำแหน่งรูปแปลง ที่ดินด้วยระบบภูมิสารสนเทศทาง อินเทอร์เน็ต

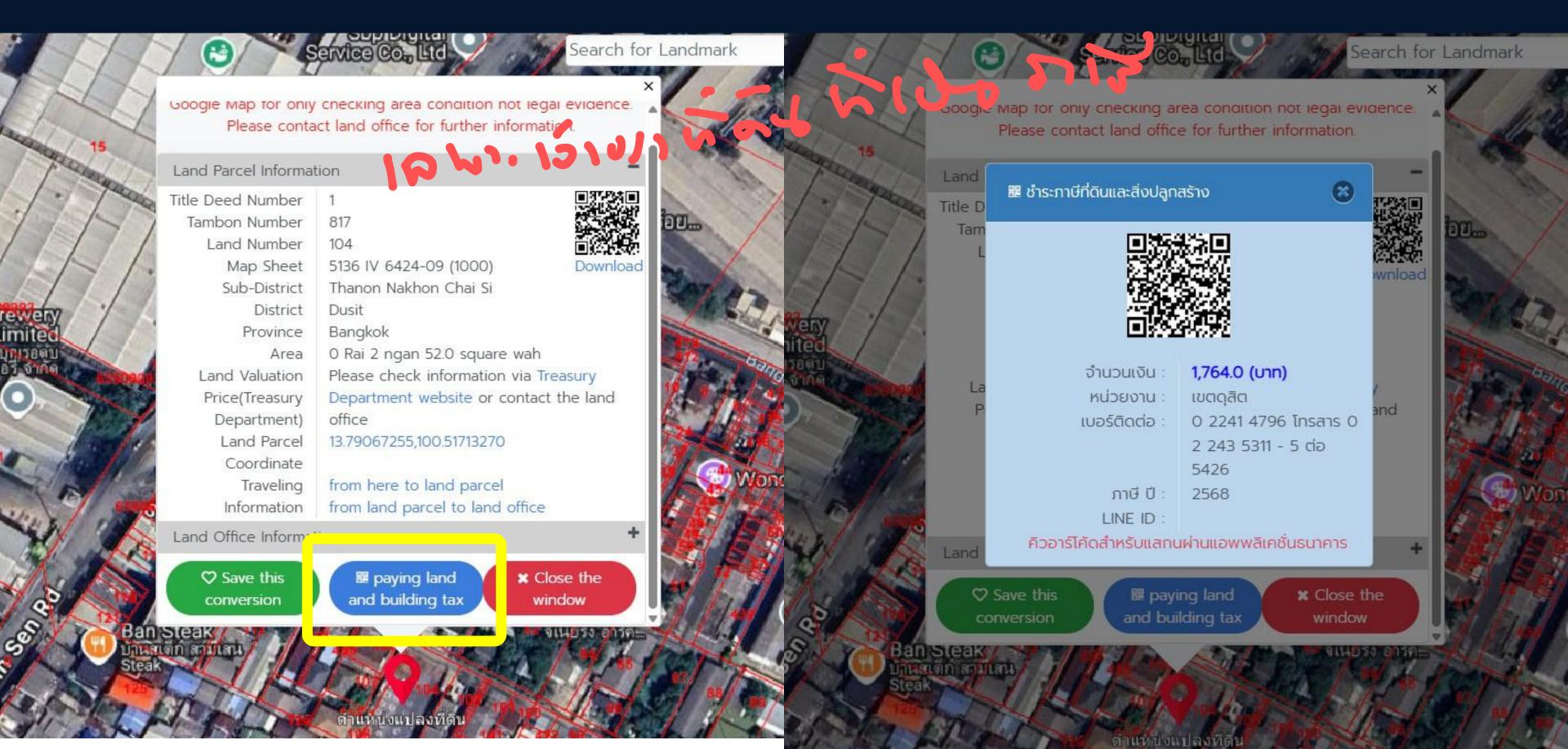


คิวอาร์โค้ดนี้เป็นสิ่งยืนยันตนทางดิจิทัล ออกให้โดย กรมการปกครอง กระทรวงมหาดไทย

## Completed information of land parcels will be displayed for the users registered



## Land & building tax amount will be displayed only for the land owner registering to the system.





# CondoMaps





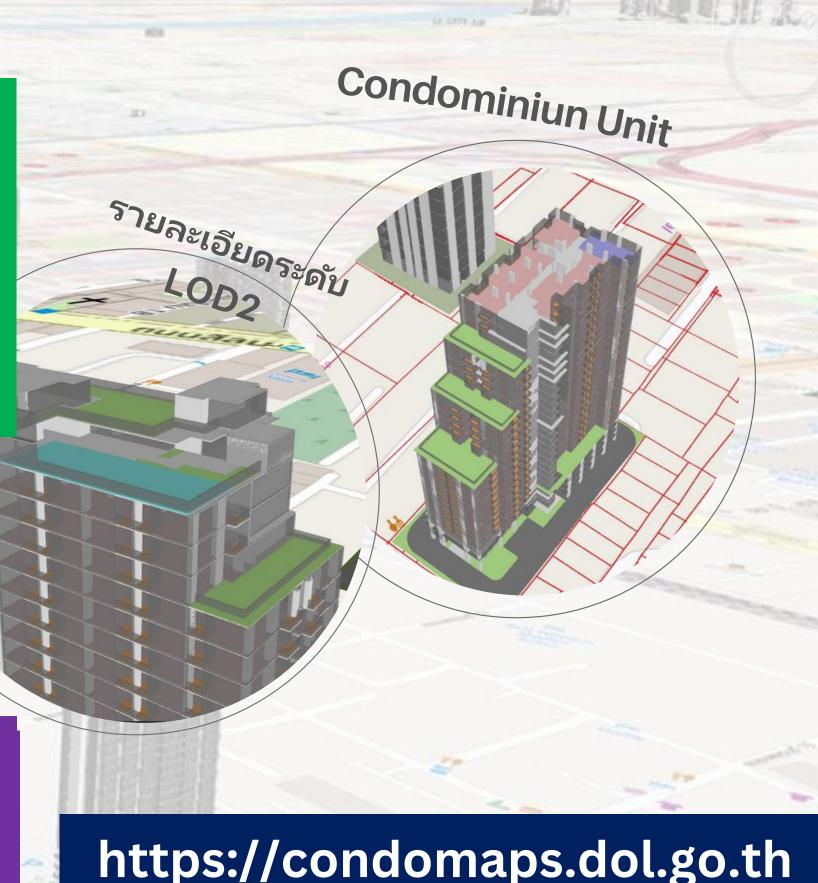


#### **Background of CondoMaps**

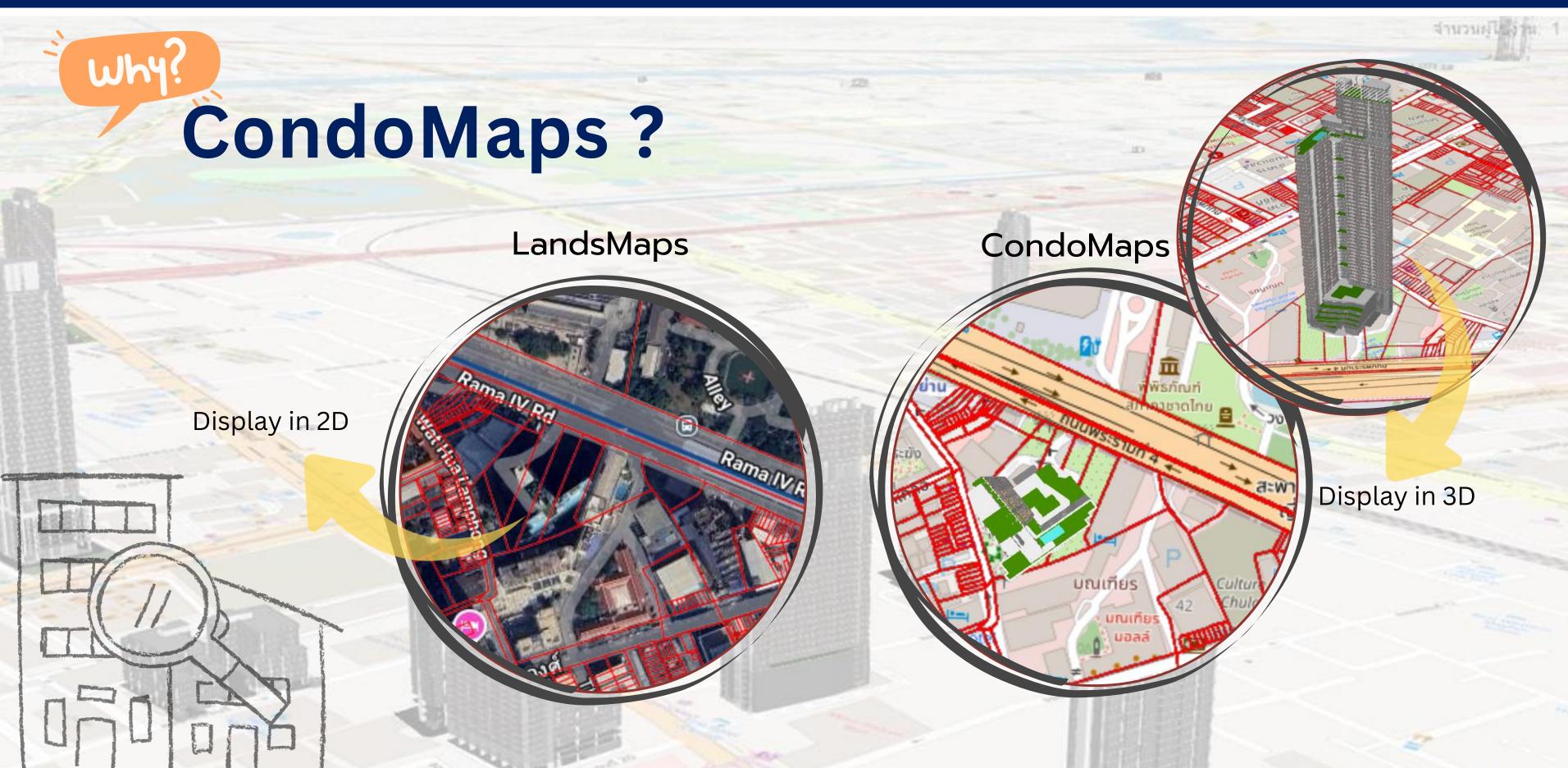
In fiscal year B.E 2565, Department of Lands launched a project to develop a platform for providing information of land and building utilization in Thailand. The department received supporting budget from Digital Economy and Society Development Fund, Office of National Digital Economy and Society Commission (ONDE)

The objective is to serve as a centralized platform for providing land and building information to government agencies, the private sector, and the public sector in the form of Data as a Service (DaaS).

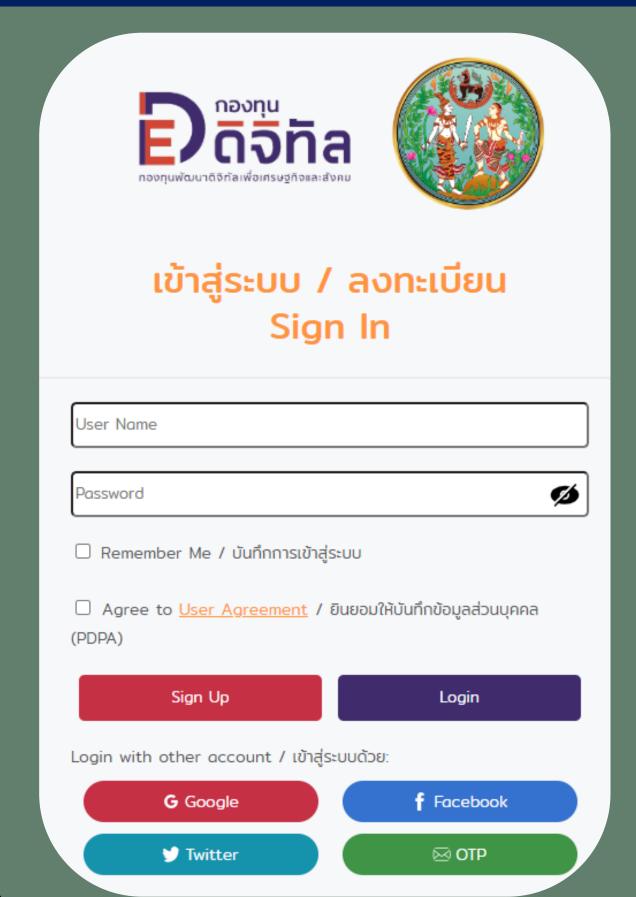
With the vision to become a leading organization in protecting land rights, managing data, and geospatial systems by using modern technology, while continuously enhancing service quality with good governance.











Logging into the condominium and apartment unit search service system

You can log into the search system via

- **GOOGLE**
- **FACEBOOK**
- **TWITTER**
- OTP via e-mail



https://condomaps.dol.go.th



## CondoMaps



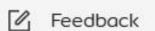


CondoMaps













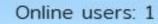




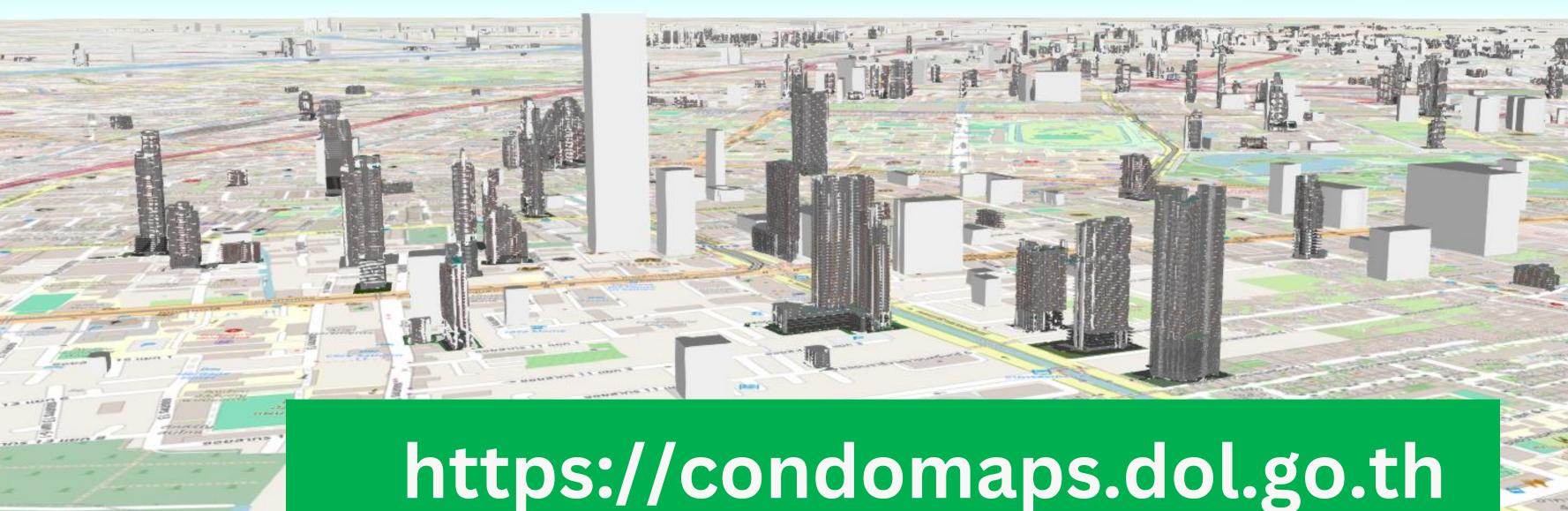














## CondoMaps

### Service Layer Data

#### **LAYERS**

3D CONDOMINIUM UNIT LAYER (LOD2)

3D CONDOMINIUM LAYER (LOD1, LOD2)

3D BUILDING LAYER (LOD1) FROM OTHER SOURCES

**PARCEL** 

**2D BUILDING** 

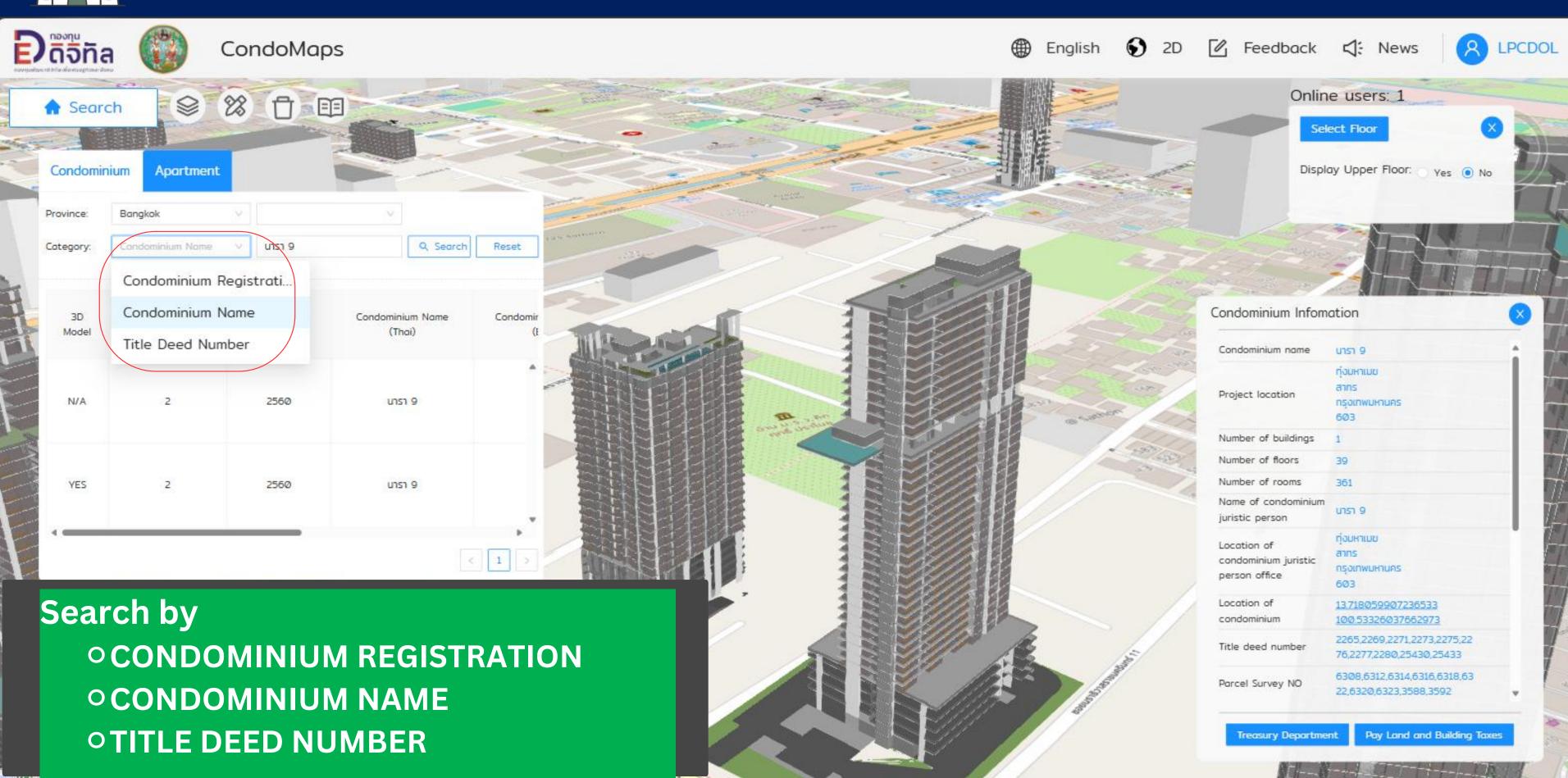
#### **BASEMAP**

GOOGLE MAP
OPEN STREET MAP
DMC



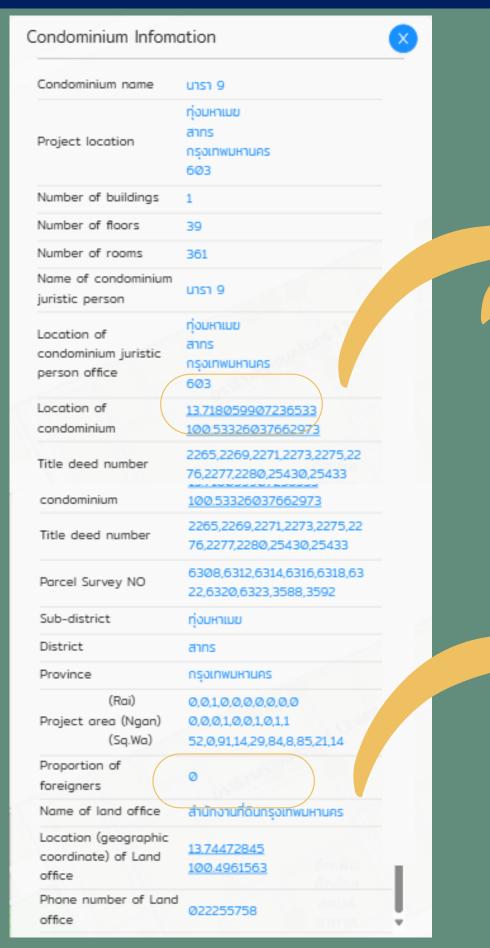


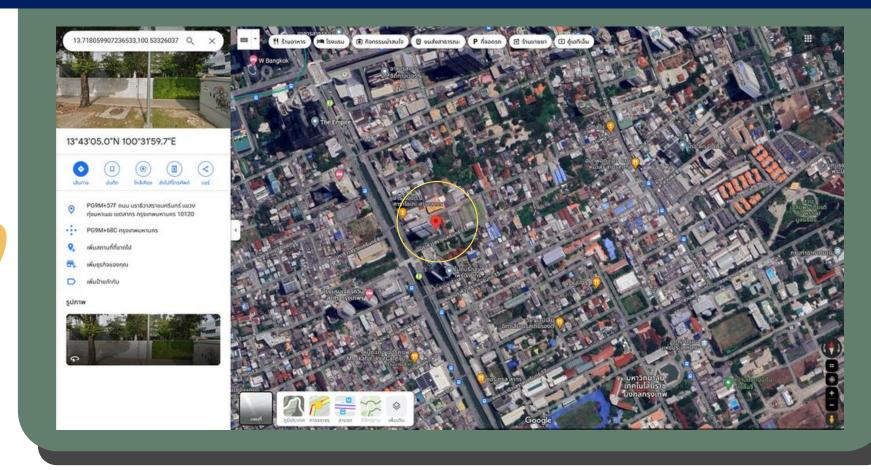
## Condominium searching





#### Information of Condominium





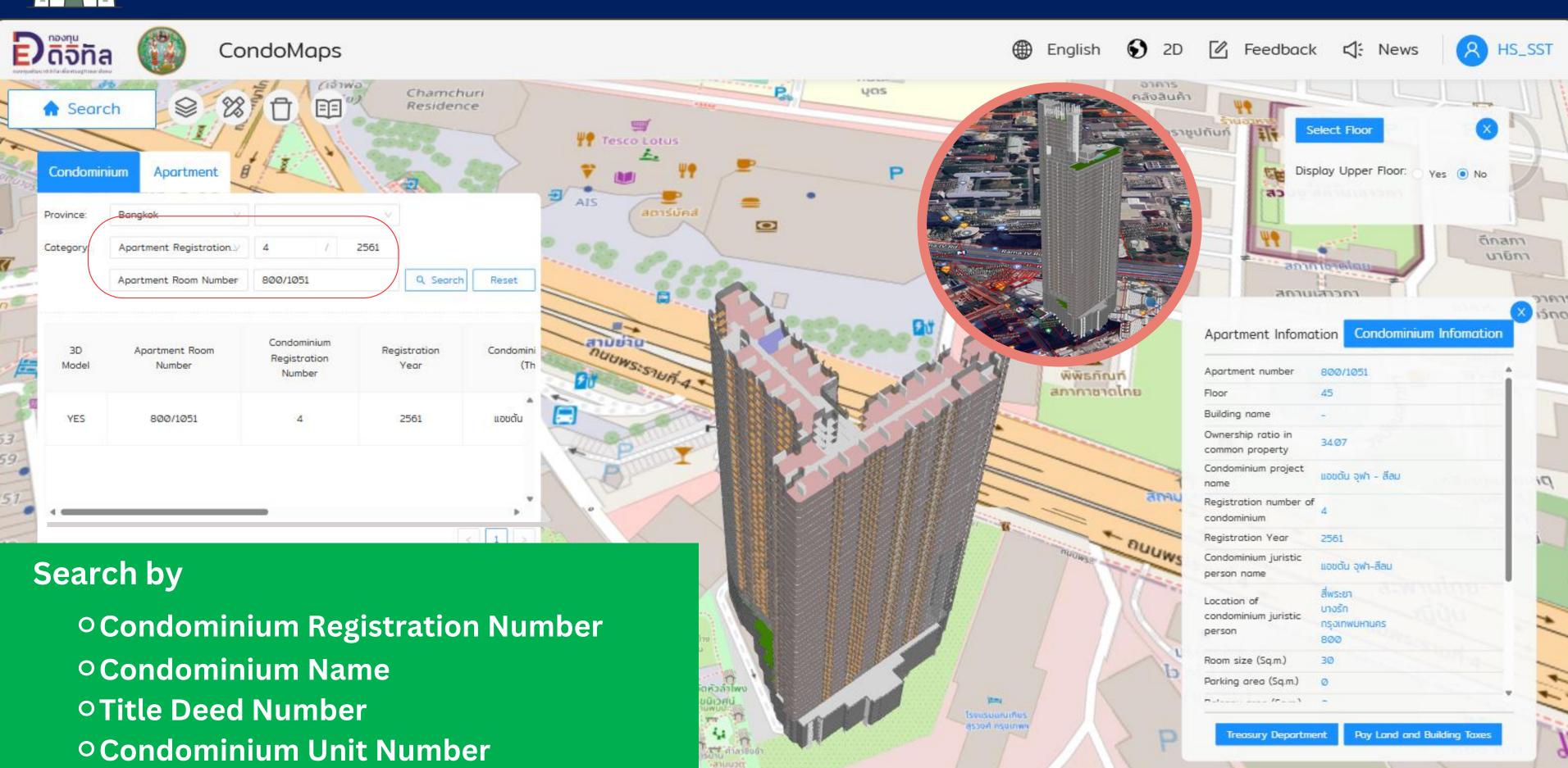
**▶**Condominium location



Land office Location

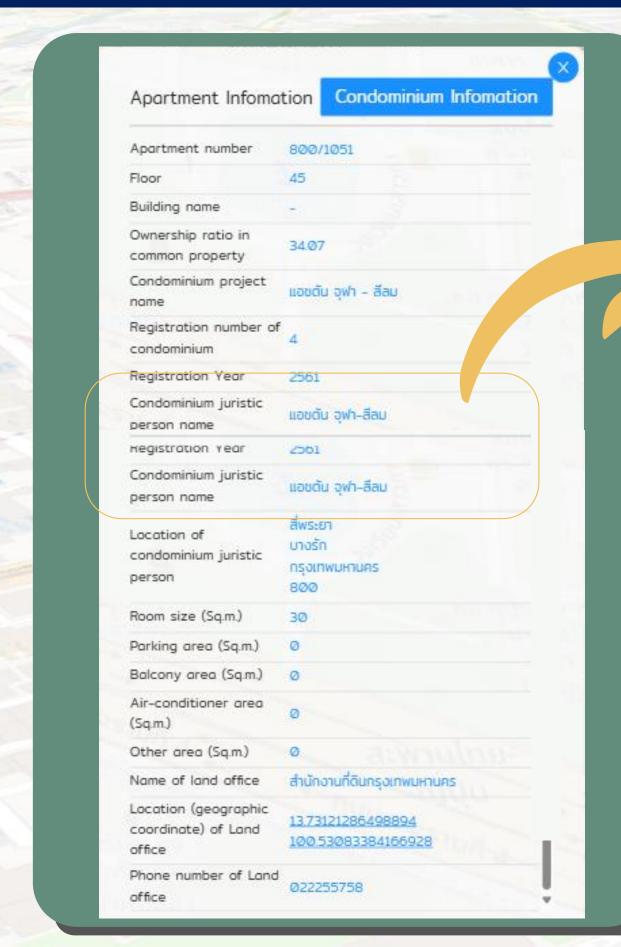


## Condominium Unit searching

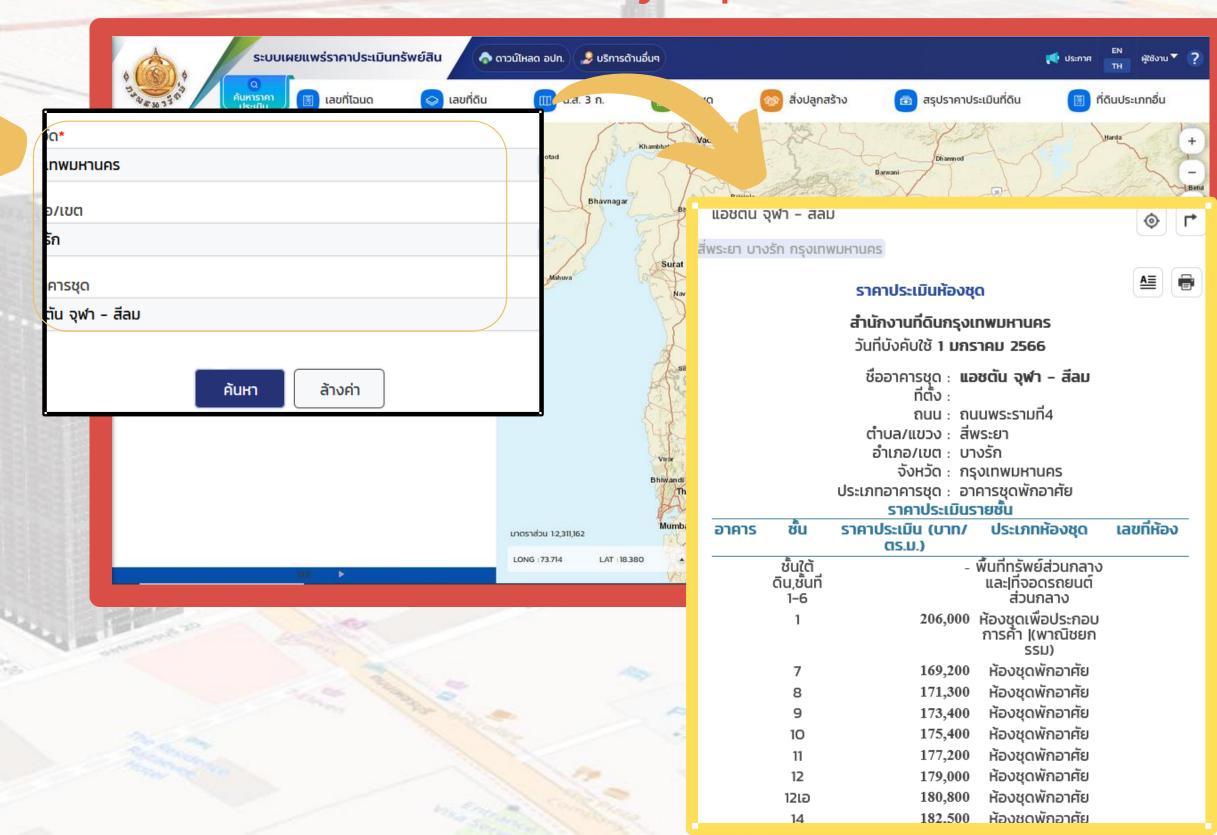




#### **Condominium Unit Information**

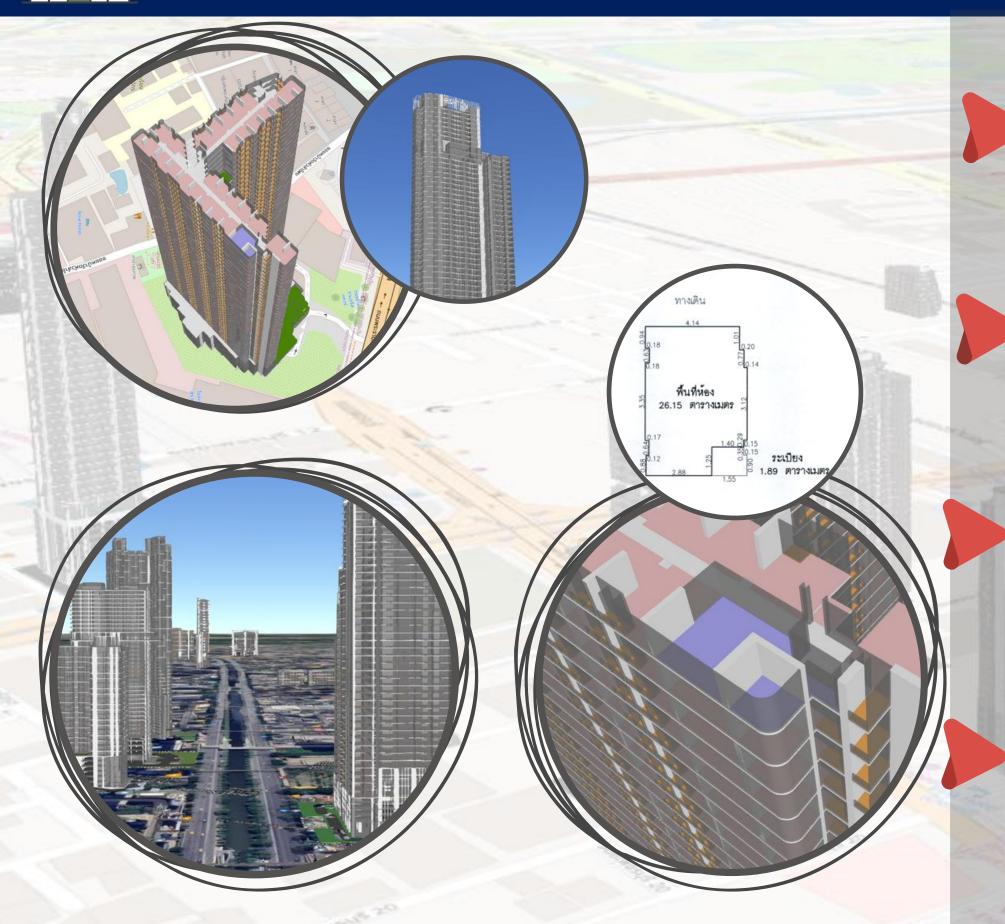


System for searching condominium unit appraisal price from the Treasury Department



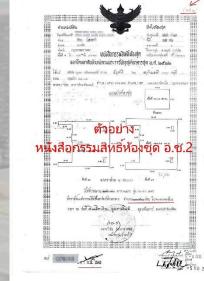


#### What's CondoMaps provide



Show location of condominium and condominium unit in 3D

Show detail of condominium and condominium unit according to Aor.Chor. 2

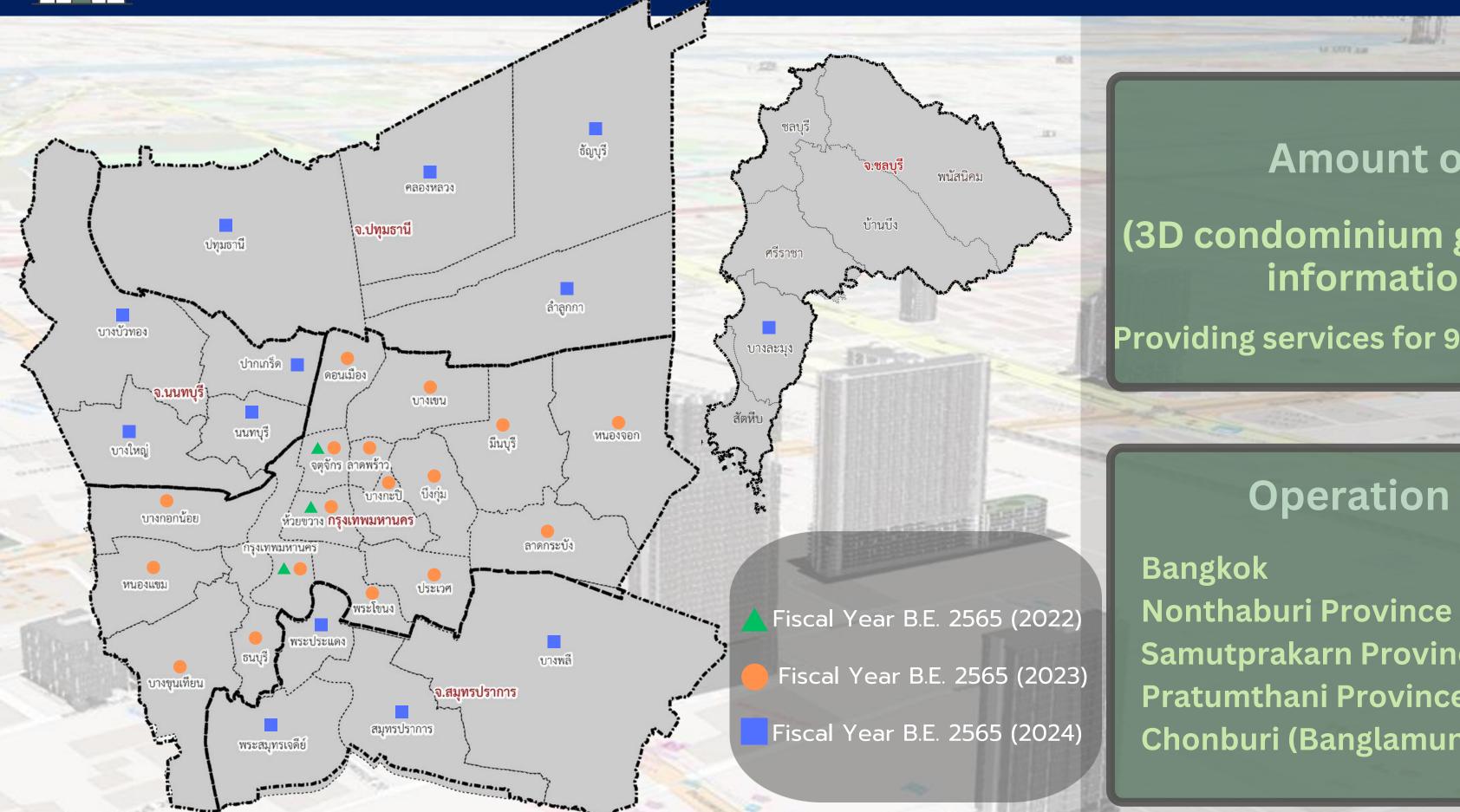


Show 360 degree of surrounding area for consideration before purchasing

Providing information to analyze the route, whether the condominium or condominium unit is close to tollway or main road.



#### Areas currently available for condominium unit information



#### **Amount of data**

(3D condominium geospatial information)

Providing services for 980,000 Units

#### **Operation area**

Samutprakarn Province **Pratumthani Province Chonburi (Banglamung District)** 



#### **Amount of data in the System**

Report on the number of Condominium buildings

and units in the CondoMaps System

Fiscal year B.E. 2565 (2022)

Condominium: 780 Buildings

Condominium Unit: 180,635 Units

**Fiscal Year B.E. 2566 (2023)** 

Condominium: 3,337 Buildings

Condominium Unit: 481,877 Units

Fiscal Year B.E. 2567 (2024)

Condominium: 1,594 Buildings

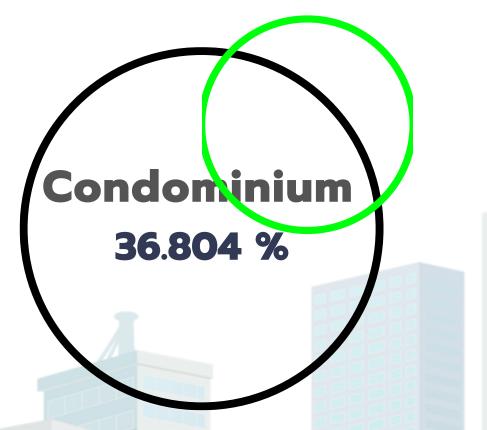
Condominium Unit: 320,891 Units

**Total** 

Condominium: 5,711 Buildings

Condominium Unit: 983,403 Units

Comparison of data from the 3D Model with the number of condominium buildings and units nationwide





Number of condominium buildings and units nationwide

Condominium: 15,517 Building

Condominium Unit: 1,888,382 Units

Data as of 31 July 2024



#### **Action Plan**

2022 (2565)

Image: 6,500

Condominium: 780

Condo unit: 180,000



#### **Operation area**

- Bangkok Metropolitan Land Office
- Chatuchak branch
- Huaikhwang branch

2023

Image: -Condominium: 2,500

Condo unit: 480,000

2024

Image: 2,000

Condominium: 1,500

Condo unit : 320,000

2025

Image: 1,000

Condominium: 1,000

Condo unit: 285,500

2026

Image: -

Condominium: -

Condo unit : 15,000



#### **Operation area**

Bangkok and all its branches total 17 branches



#### **Operation area**

Nonthaburi Prov. Pathum Thani Prov. Samut Prakan Prov. Chonburi Prov. (Banglamung district)



#### **Operation area**

Bangkok Nonthaburi Prov. Pathum Thani Prov. Samut Prakan Prov. Chonburi Prov.

\* In progress



#### **Operation area**

Bangkok Nonthaburi Prov. Pathum Thani Prov. Samut Prakan Prov. Chonburi Prov.

### Conclusion

LandsMaps and CondoMaps play a vital role in supporting the property valuation process by reducing the time required for data retrieval, lowering the cost of field surveys, enhancing transparency in analysis, and promoting greater standardization and credibility in valuations.







