

# Land Surveyor Business Areas in Planning and Realization of Renewable Energy Plants - a Danish Case Study -



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# Framework

## Framework – of understanding

- **Political**
- **Constitutional**
- **Professional Profile**

## Business Areas – Renewable Energy Plant (REP)

- **Screening**
- **Physical Planning**
- **Project Planning**
- **Construction**
- **Rectification and registration**



## Framework

### Energy policy objectives in Denmark – by government

- The long-term goal for Danish energy policy is that Denmark must be independent of coal, oil and gas in 2050
- Quadrupling (4 x) of electricity production from solar energy and onshore wind towards 2030
- Overall, a quadrupling of production will require up to 1.3 percent of Denmark's land area, compared to around 0.5 percent today

[Facts: Existing solar cell plants are up to 350 ha.]



# Framework

## The Constitutional Act of Denmark

- **§ 73 (1) The right of property shall be inviolable. No person shall be ordered to surrender his property except where required in the public interest. It shall be done only as provided by statute and against full compensation.**



# Framework

## Professional Profile – "Land Surveyor Science"

- Property Law – cadastral, landadministration
- Physical Planning – urban and rural areas
- Surveying and Mapping
- Geoinformatics

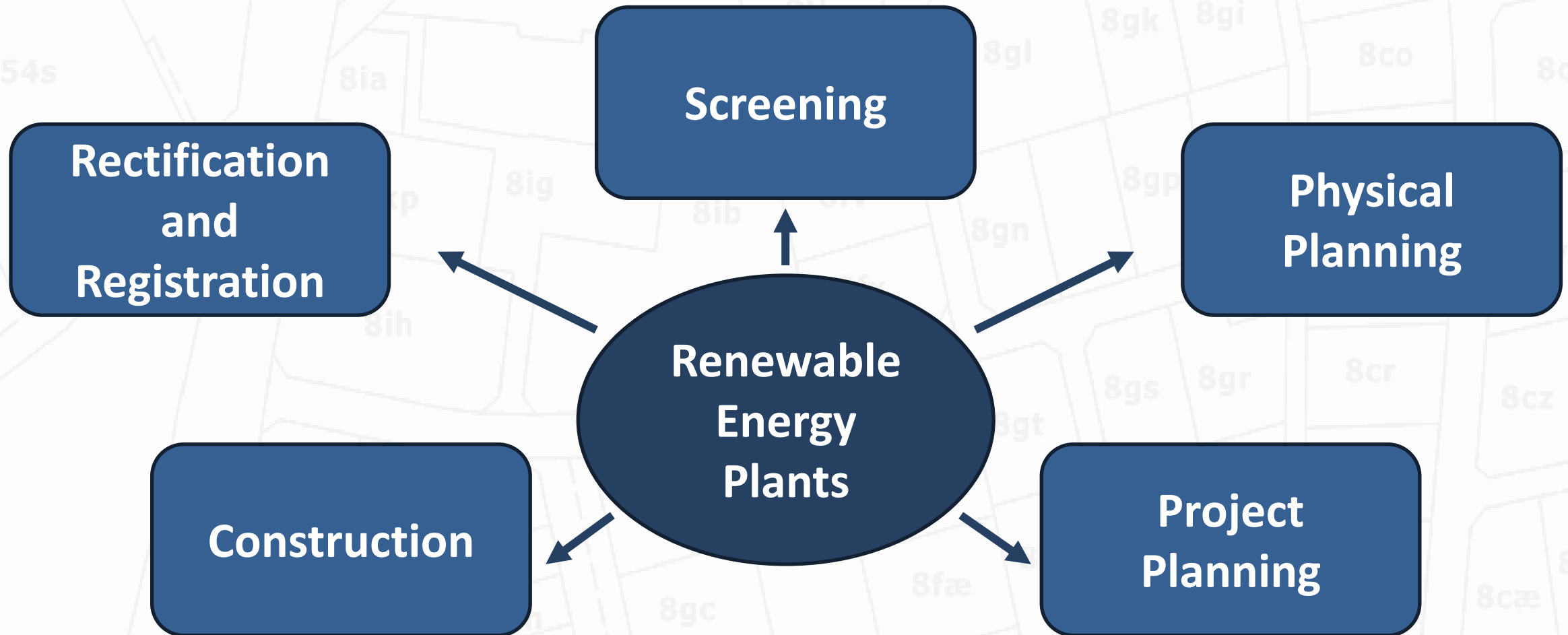
Focused on real estate –  
Land use, property  
change and development

## Professional distinctions – Danish Surveyors

- Looking across sectors and legislation in task performance and consultancy
- Working in the cross field between private initiative and public regulation – with employment in both private and public sector



## Business Areas REP



# Business Areas REP

## Screening

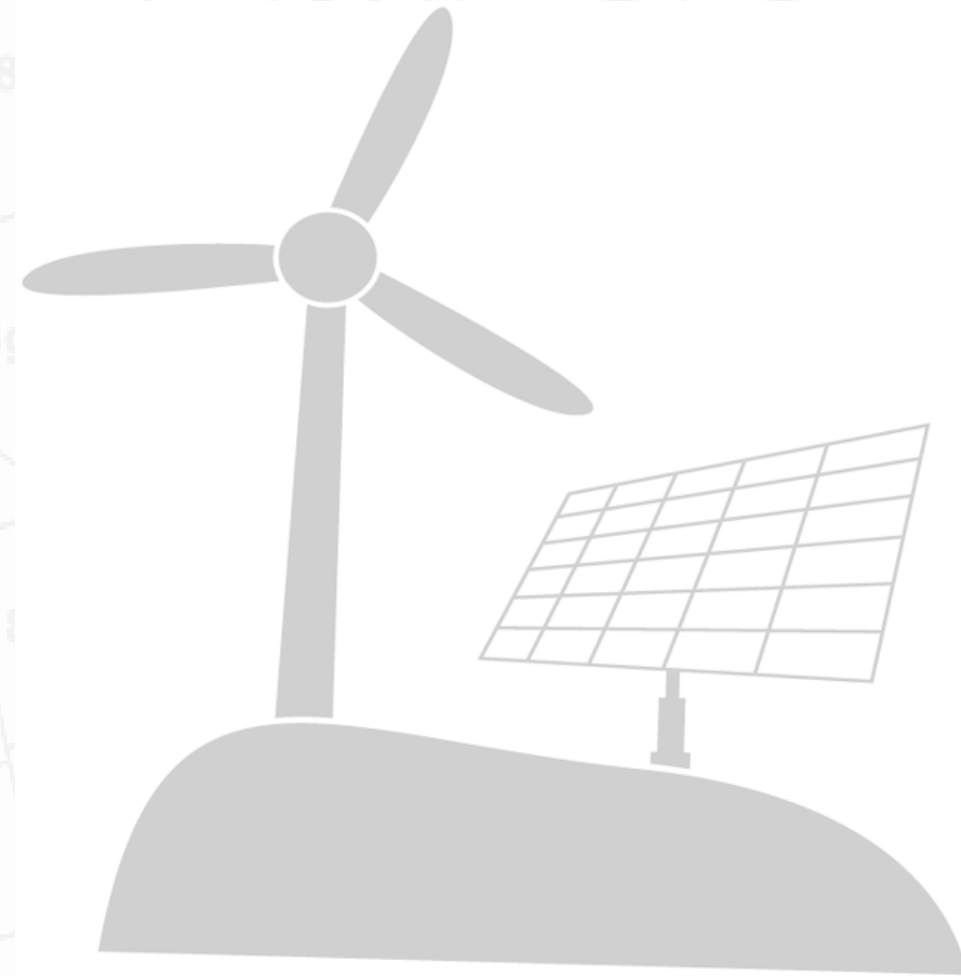
- Landscape potential
- Legal Rights
- Public Law Regulation
- Other issues



# Business Areas REP

## Physical Planning

- Local Planning
- Public meetings
- Visualization – Effects on the Environment

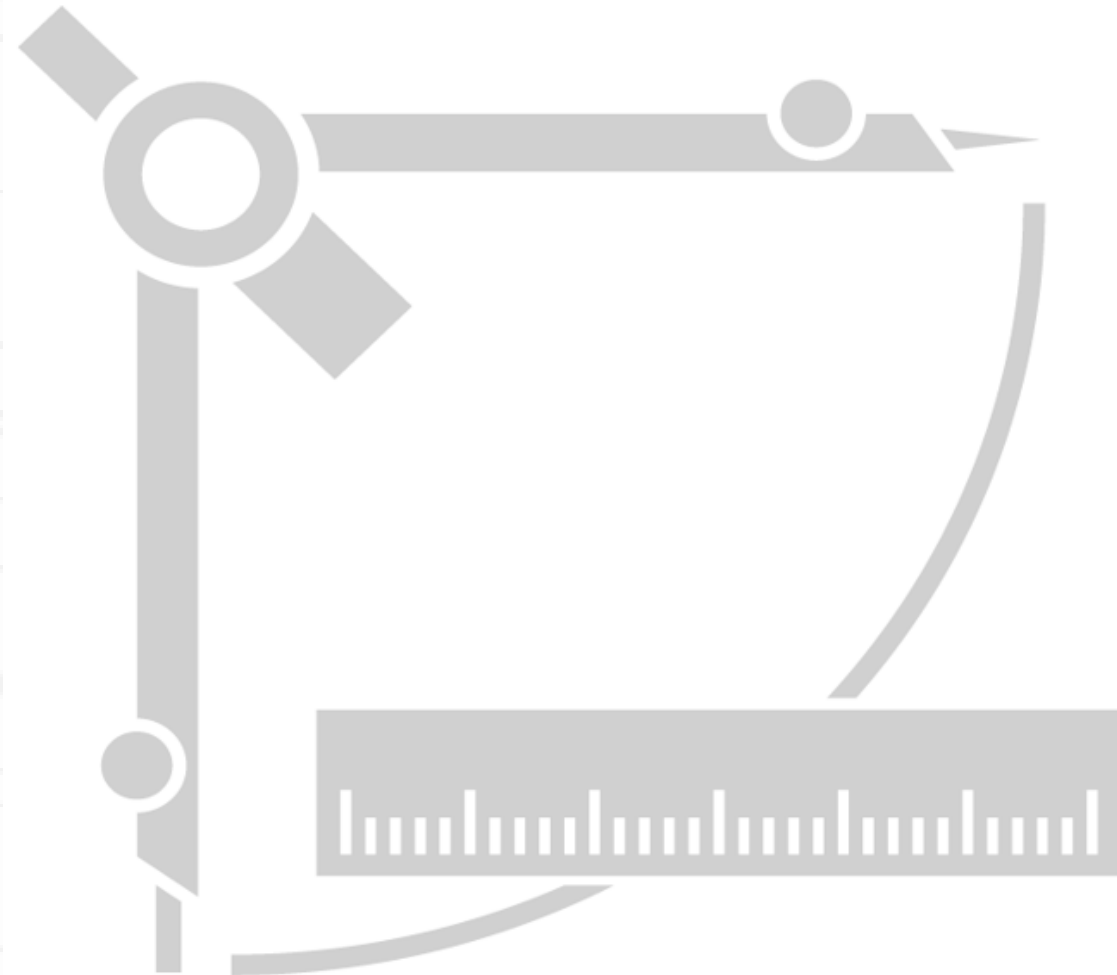




# Business Areas REP

## Project Planning

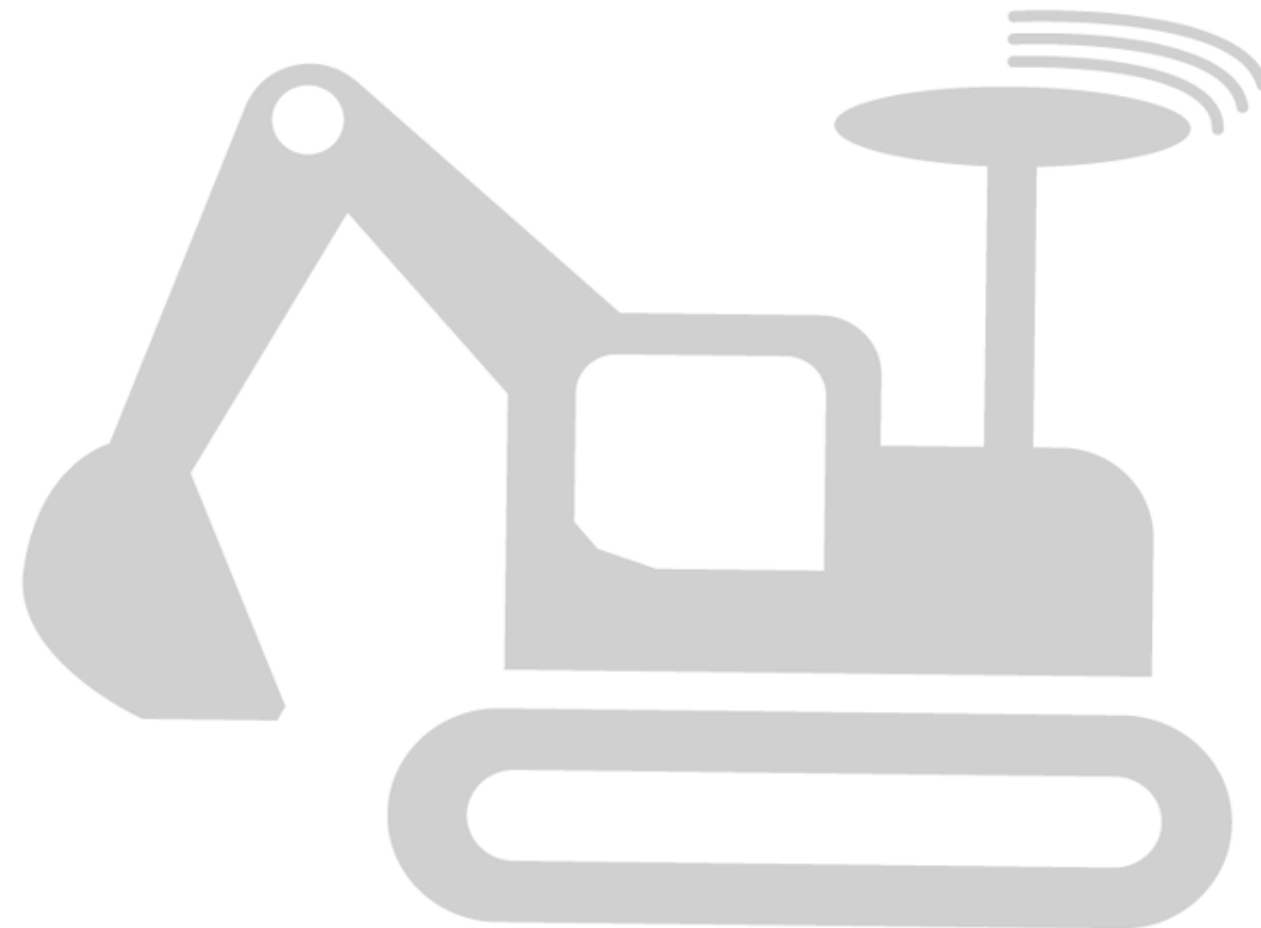
- **Surveying and Mapping**
- **Property relations, boundaries**
- **Land distribution**
- **Acquisition of land and rights**
- **Securing rights**
- **Authority application**
- **Compensation management**



# Business Areas REP

## Construction

- Data Management
- Machinedata and management
- Staking out
- Monitoring and control



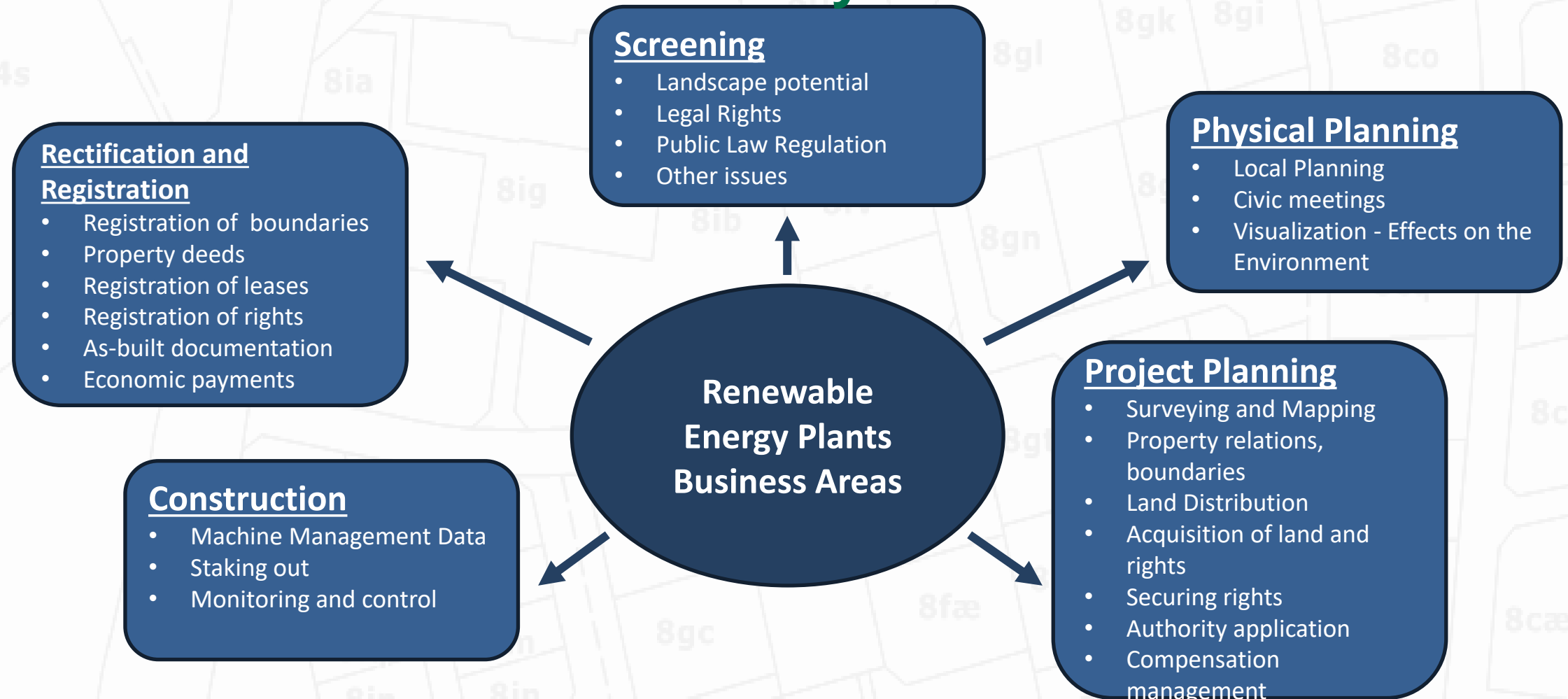
## Business Areas REP

### Rectification and registration

- Registration of new boundaries
- Drawing up and registration of deeds
- Drawing up and registration of lease agreements
- Drawing up and registration of rights – easements
- As-built documentation
- Handling financial matters – payments and mortgagee hearing



# Business Areas REP – summary



**Thank You !**