



# FIG Working Week 2024

19-24 May

Accra, Ghana

Your World, Our World:  
Resilient Environment  
and Sustainable  
Resource Management  
for All

Presented at the FIG Working Week 2024,  
19-24 May 2024 in Accra, Ghana

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

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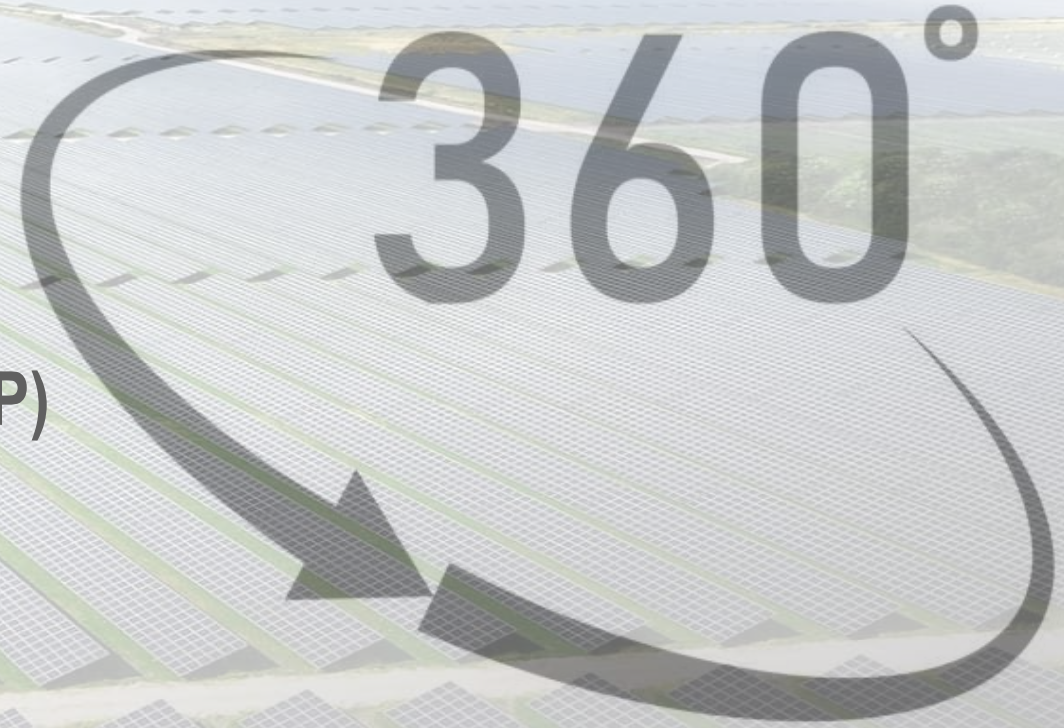
## Outline

### Framework – of understanding

- Political and Constitutional
- Professional Profile

### Business Areas – Renewable Energy Plant (REP)

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



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## 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 by 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.





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## 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 when required in the public interest.  
It shall be done only as provided by statute  
and against full compensation.





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## Framework

### Professional Profile – "Land Surveyor Science"

- Property Law – cadastral, Landadministration
- Physical Planning
- Surveying and Mapping
- Geoinformatics

Focused on real estate – land use and property change and development

### Professional Distinction

Danish Surveyors works in the cross field between private initiative and public regulation – with employment in both private and public sector

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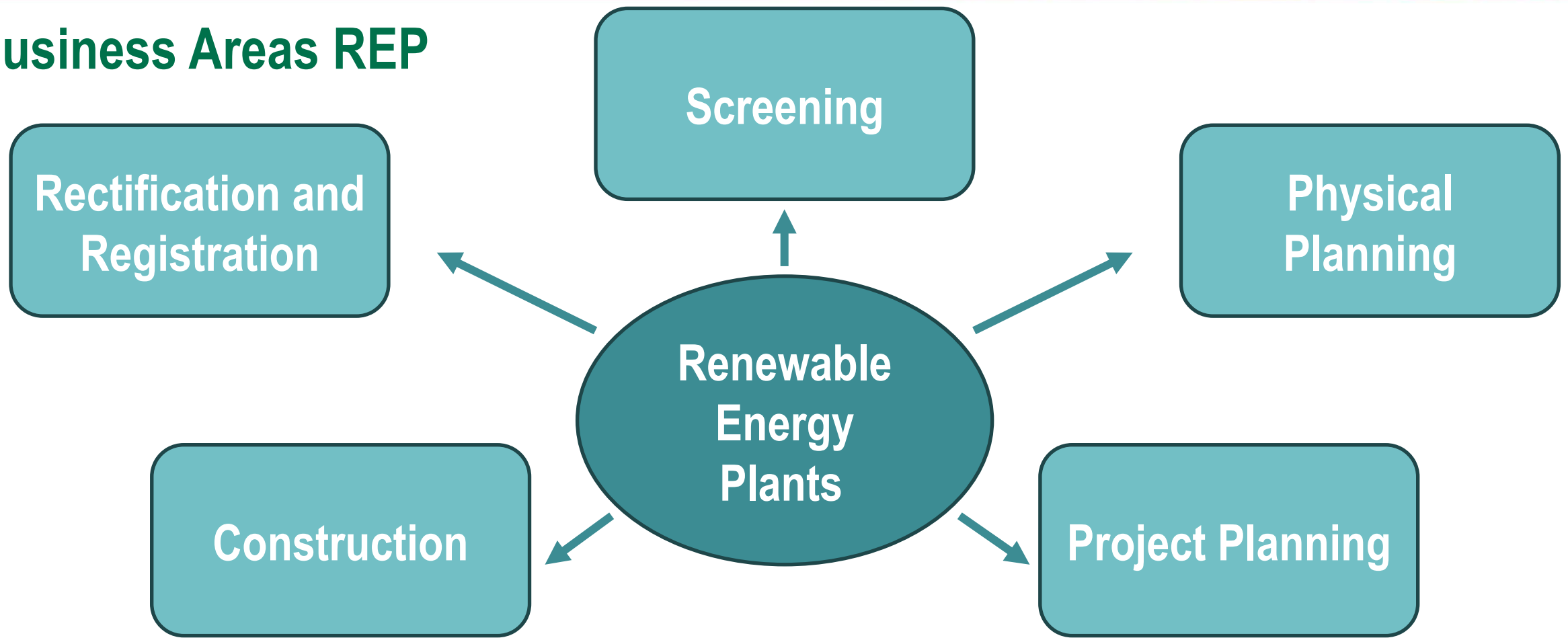
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## Business Areas REP





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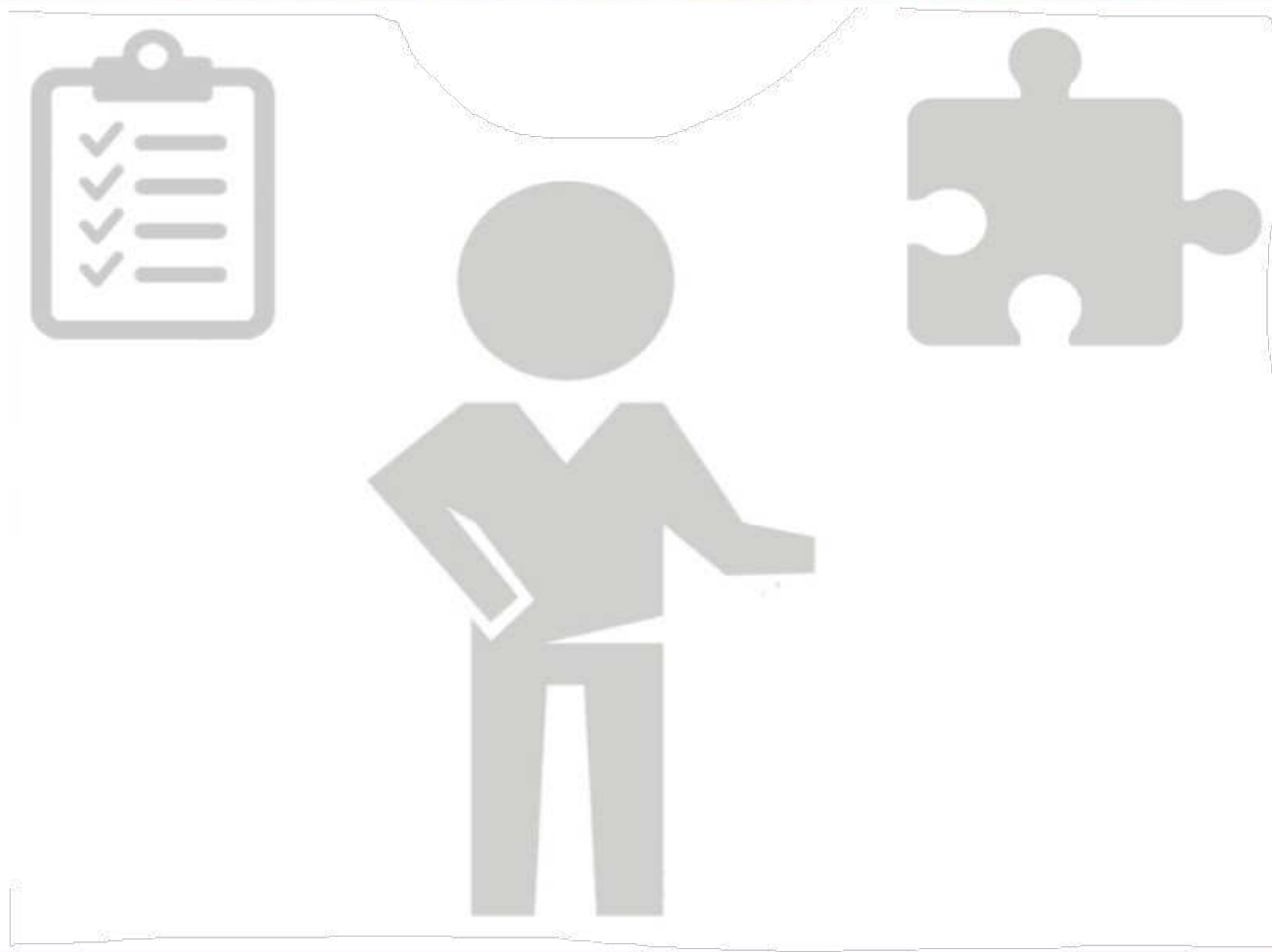
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## Business Areas REP

### Screening

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





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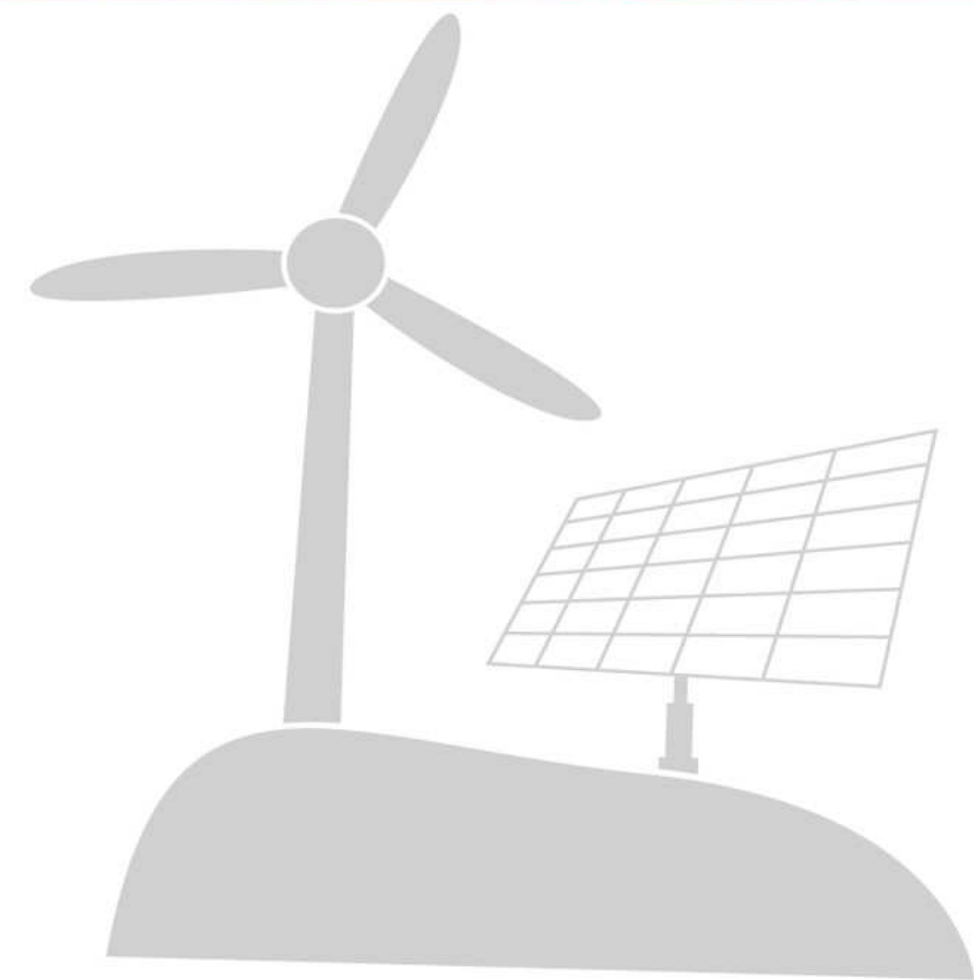
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## Business Areas REP

### Physical Planning

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







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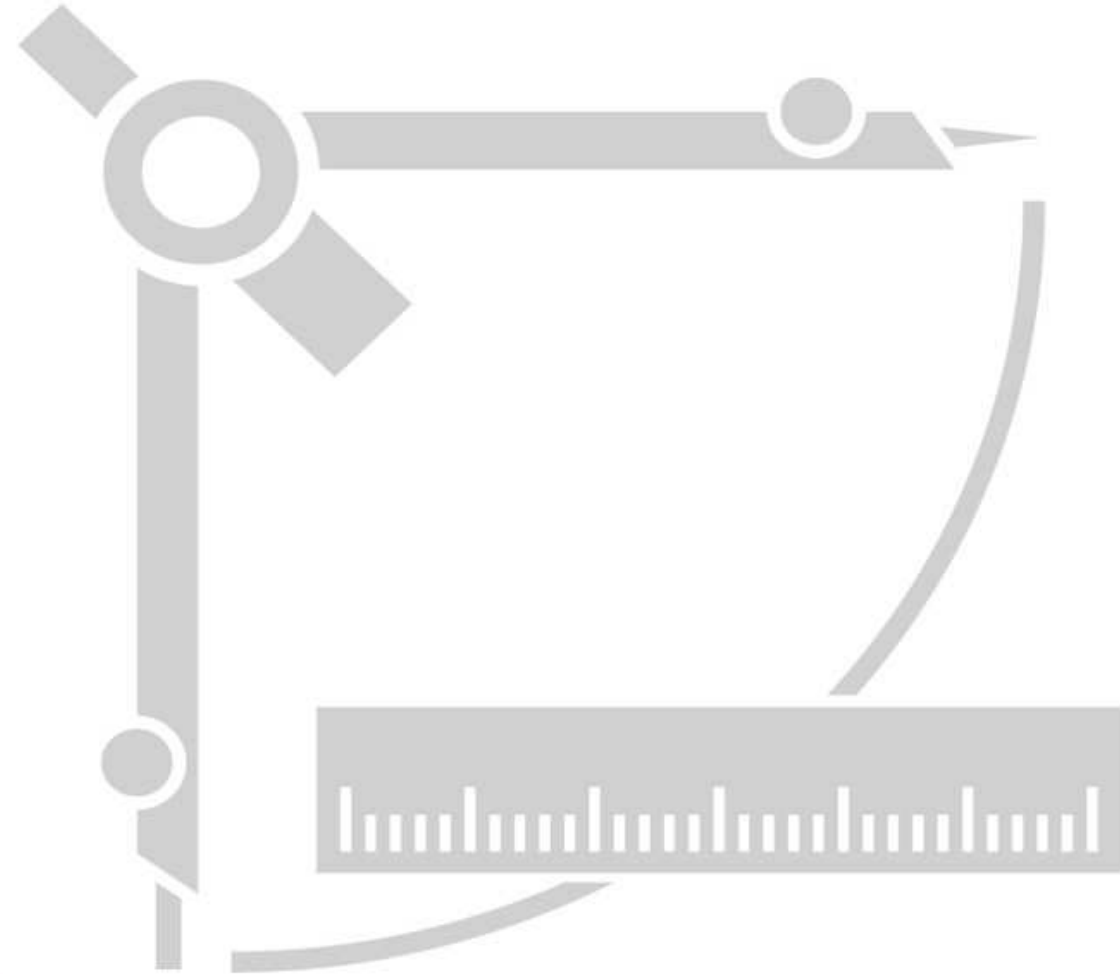
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## Business Areas REP

### Project Planning

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



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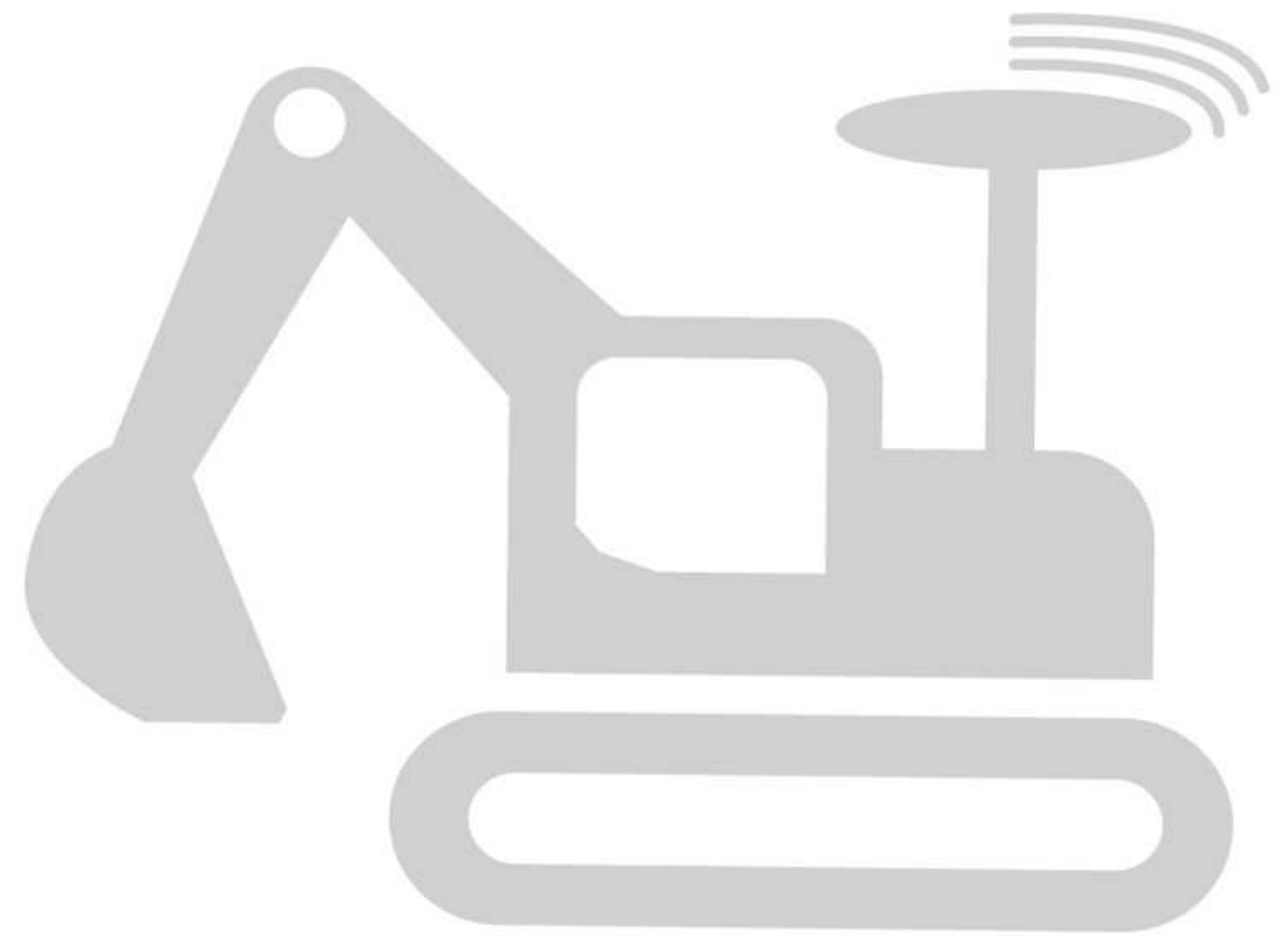
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## Business Areas REP

### Construction

- Machine Management Data
- Staking out
- Monitoring and control





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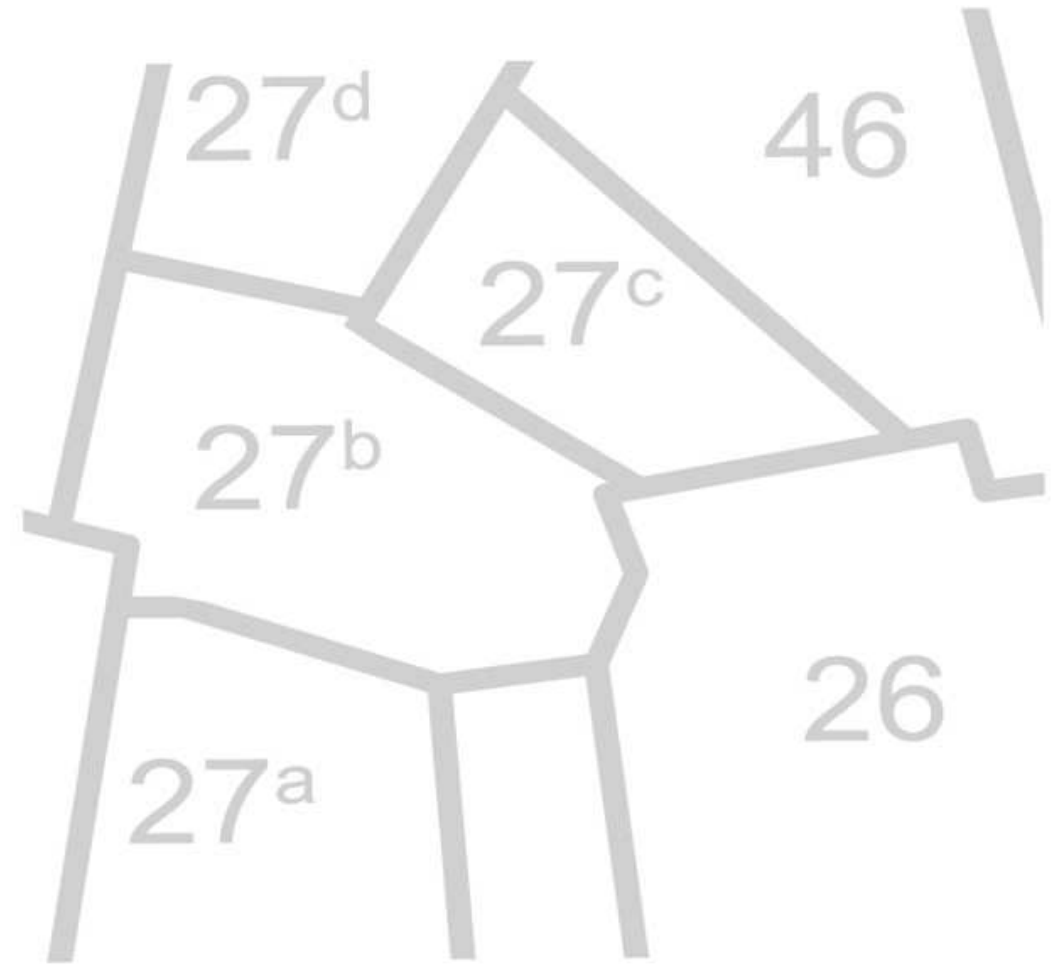
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## Business Areas REP

### Rectification and registration

- Registration of new boundaries
- Property deeds
- Registration of leases
- Registration of rights
- As-built documentation
- Economic payments





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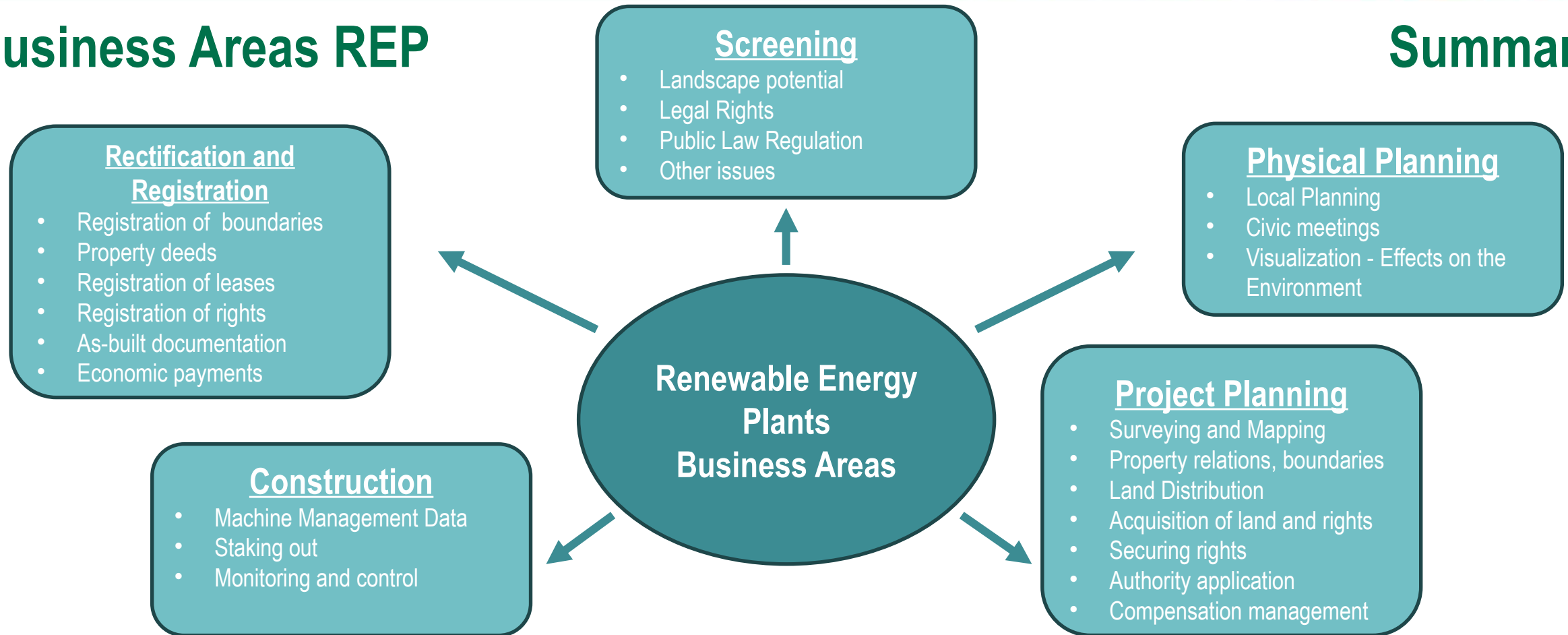
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## Business Areas REP

## Summary



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**This is it!**

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**SUSTAINABLE DEVELOPMENT GOALS** | International Federation of Surveyors supports the Sustainable Development Goals

## Commission 7 & 9

Landmanagement and cadastre & Valuation and management of real estate

### Surveyors Connecting People – Supporting the SDG's

