



BISEPS |

Business clusters Integrated Sustainable Energy Packages

Solar technology on business parks

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1. Maximise PV on business parks

WVI

- Develops sustainable business parks
 - Greenfields / Brownfields
 - Sustainable quality for business parks:
19 principles for sustainable development
- Manage existing business parks
 - Unburden companies for installation PV
 - Direct line



2. Maximise PV on business parks: Greenfields

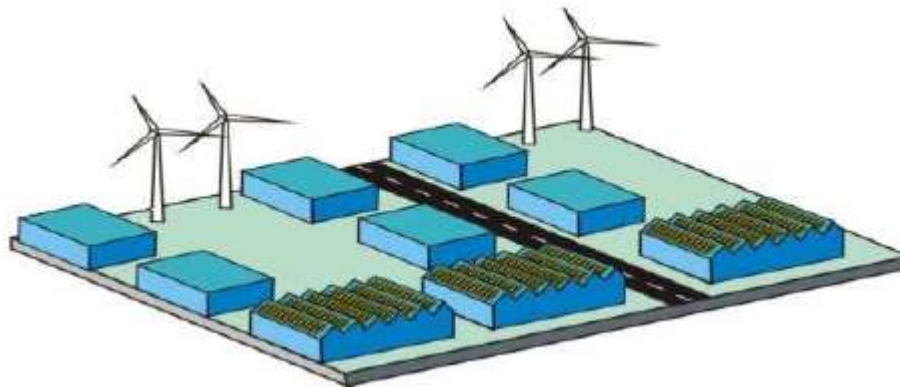
Adjusted sales conditions WVI

- Represents sustainability goals of WVI:
 - CO₂-neutrality
 - Neutral electricity consumption
 - Electricity production: neutral or compensate CO₂-emissions
 - New: Maximise renewable energy production
 - Optimal use of the roof surface

2. Maximise PV on business parks: Greenfields

Optimal use of roof surface

- Energy-efficient: use daylight
- Generate renewable energy
 - Self-consumption
 - Other companies in the vicinity
 - Electricity grid injection



2. Maximise PV on business parks: Greenfields

Goal adjusted selling conditions

- Make business parks future-proof
 - The EU winter package: local energy communities (LEC)
 - Direct lines
 - LEC and business park management

2. Maximise PV on business parks: Greenfields

Result adjusted selling conditions

- Initially companies have the invest themselves
- After 4 years: WVI can acquire the building lease
 - Start economic exploitation
 - Buyer obliged to give the necessary rights to WVI

Application of the selling condition

- Control carried out by WVI
 - At the time of purchase
 - Pro-active after 4 years

Added values for the companies

- Financial models still under development
- Return



2. Maximise PV on business parks: Greenfields

Result first study concerning LEC and business park management

- 2 cases were studied:
 - Case 1: A number of big companies with a big electricity consumption
 - Case 2: A number of SME's with small electricity consumption
- Boundary conditions for a profitable business case on PV
 - Sufficient self-consumption
 - Sufficient scale (m² PV)
 - Big PV installations:
 - DL to other company
 - Excess after DL to REC
 - Small PV: installations:
 - Excess energy through REC to neighbouring companies and households in vicinity

2. Maximise PV on business parks: Greenfields

Result first study concerning LEC and business park management

- Legal structure REC: cooperatives
 - Profit participation upto 6%
 - Easy to become shareholder and to leave
 - Allows participation of:
 - Municipalities
 - Citizens
 - Companies
 - Business park association

3. Business park management

Unburden companies for installation PV

- 15 companies
 - Few communication was needed
 - Limited budget
- Focus on individual companies
 - Energy ≠ core business
 - Lot of questions around PV and energy
 - Electric vehicles
- One case focusing on electricity exchange: direct line



3. Business park management

Unburden companies for installation PV

- Unburdening trajectory
 - Feasibility study: economic & technical
 - Selection of contractors
 - Ask for tenders
 - Advice on tenders

3. Business park management

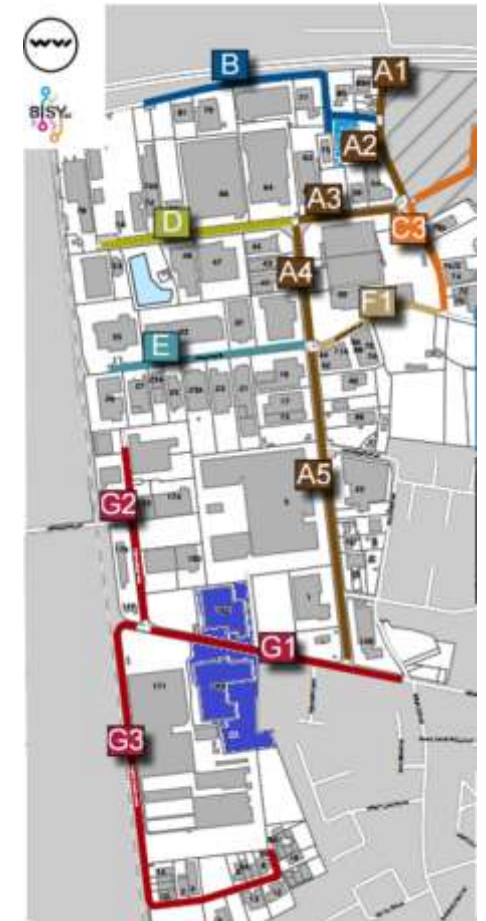
Unburden companies for installation PV

- A number of results (53 companies (Leiedal, POM en WVI))
 - Greatest bottlenecks
 - Roof stability
 - User = tenant
 - Roofs containing asbestos
 - Multi-tenant business buildings > legislation
 - Average IRR 10,7%
 - Average payback time 8,1 years

3. Business park management

Unburden companies for installation PV

- Direct line
 - Self-consumption 91%
 - Discount on the electricity price 25%
 - Greatest barriers:
 - permission VREG
 - GSC depends on ‘bandingfactor’
 - Important:
 - confidence building between businesses





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Thanks for your attention

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