

How to implement BIPV into the housing industry

Van Wijnen Sittard

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INTRODUCTION

Van Wijnen



- Dutch contractor
- Founded in 1907
- Around 1700 employees
- 24 locations in the Netherlands



ir. Yoni de Boer



- Project supervisor 'Sustainability & Innovation'
- Employee for two years
- Located in Sittard
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CONTENT

- Introduction
- In practice
- Different interest of stakeholders
- Pv vs. BIPV
- How to succeed?

IN PRACTICE

3 types:

- BAPV
- BIPV, (between the roof)
- BIPV (completely integrated)



STAKEHOLDERS

PV supply side



Main activities:

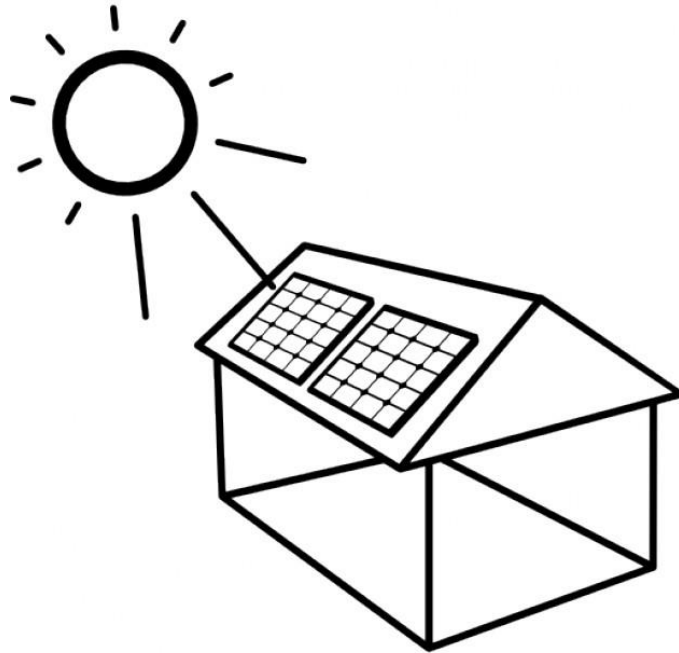
- Testing
- Product development
- Innovation

Construction Industry



Main activities *(in relation to PV-installations):*

- Fulfill requirements of the client
 - Government regulations
 - Guarantee performance of Pv-installation



Uncertainties:

- Degeneration factors
- Time vs. Built environment
- Lifespan

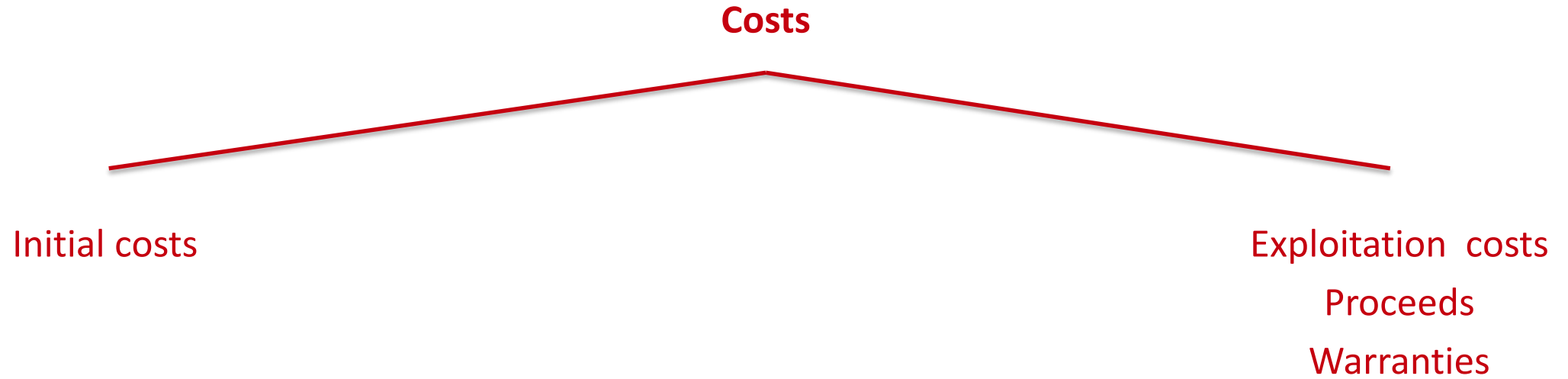
PV vs. BIPV



-	Aesthetics	+
+	Costs	-
-	Quality	+

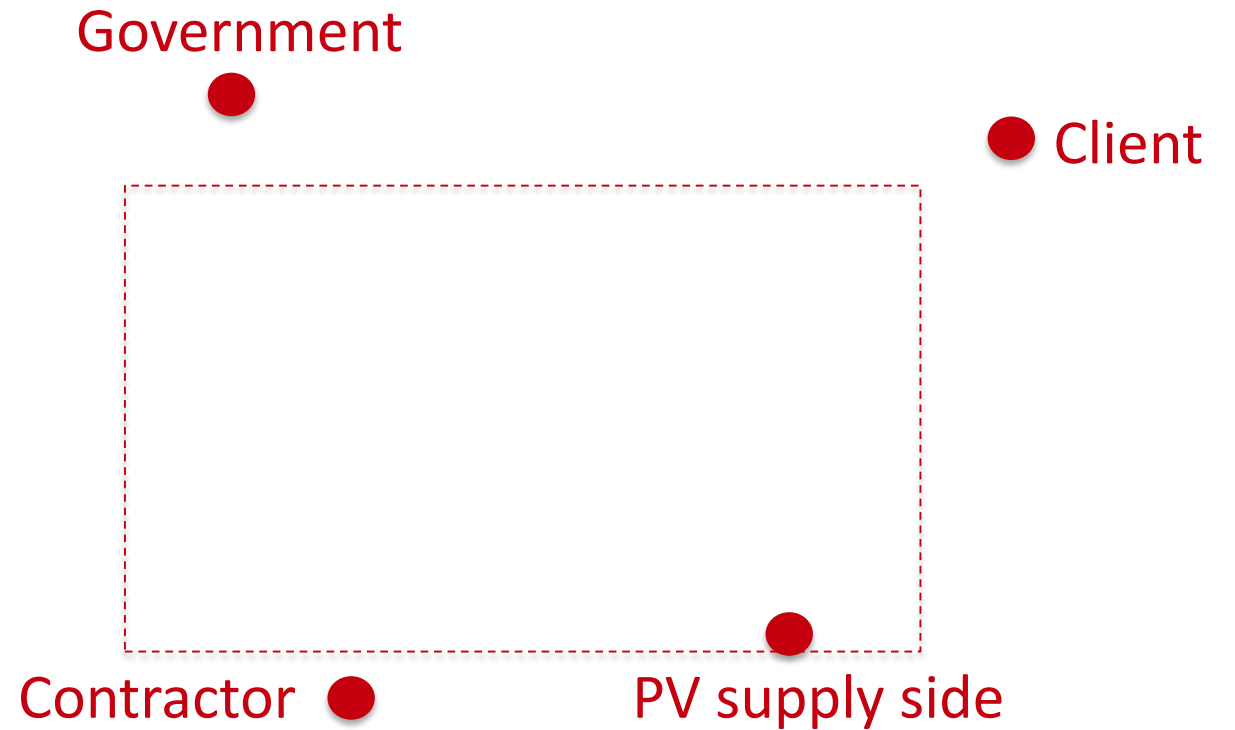
Leading factor but is totally misinterpreted!!

COSTS



How to succeed?

Autarkisch
Nulopdemeter
Energieleverend
Ergieneutraal **NOM**
EPV **ZEN** **EPC** **BENG**
Energienota-nul
Klimaatneutraal
Passiefhuis
MPGO,0



Thank you!