



# PV secondary markets in Germany & France

Operation, Maintenance and sale of ground-mounted PV Conference, OFATE, Paris

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## Table of contents

1. Green Giraffe introduction
2. Market context
3. M&A transactions
4. Refinancing existing debt



# 1. Green Giraffe introduction

## We get deals done

### Deep roots in renewable energy finance

- Launched in 2010 by experienced finance specialists with a **strong and proven track record** in renewable energy
- 60+ professionals with offices in Hamburg (Germany), London (UK), Paris (France) and Utrecht (the Netherlands)
- Multi-disciplinary skill set including **project & structured finance, contract management, M&A, and legal** expertise



Close to **EUR 15 billion** funding raised for renewable energy projects in **7 years**



**60+ professionals** in **4 countries**

### High quality, specialised advisory services

- Focus on projects where we can actually add value
- We can provide a holistic approach and are able to include sector-specific tasks in addition to traditional debt or equity advisory (such as contracting, strategic advisory and development services)
- Widening geographical reach with a burgeoning presence in the Americas and Africa in addition to Europe
- Priority given to **getting the deal done!**



Involved in over **80 renewable energy projects** with a capacity of more than **18 GW**

## 2. Market context

Secondary market is currently very active in Europe

I

There is now around 50 GWp of installed PV capacity in Germany and France – making for a huge potential in terms of secondary transactions (M&A as well as refinancings)

II

Both countries benefit from strong support mechanisms that are considered stable making them particularly attractive for potential lenders and investors

III

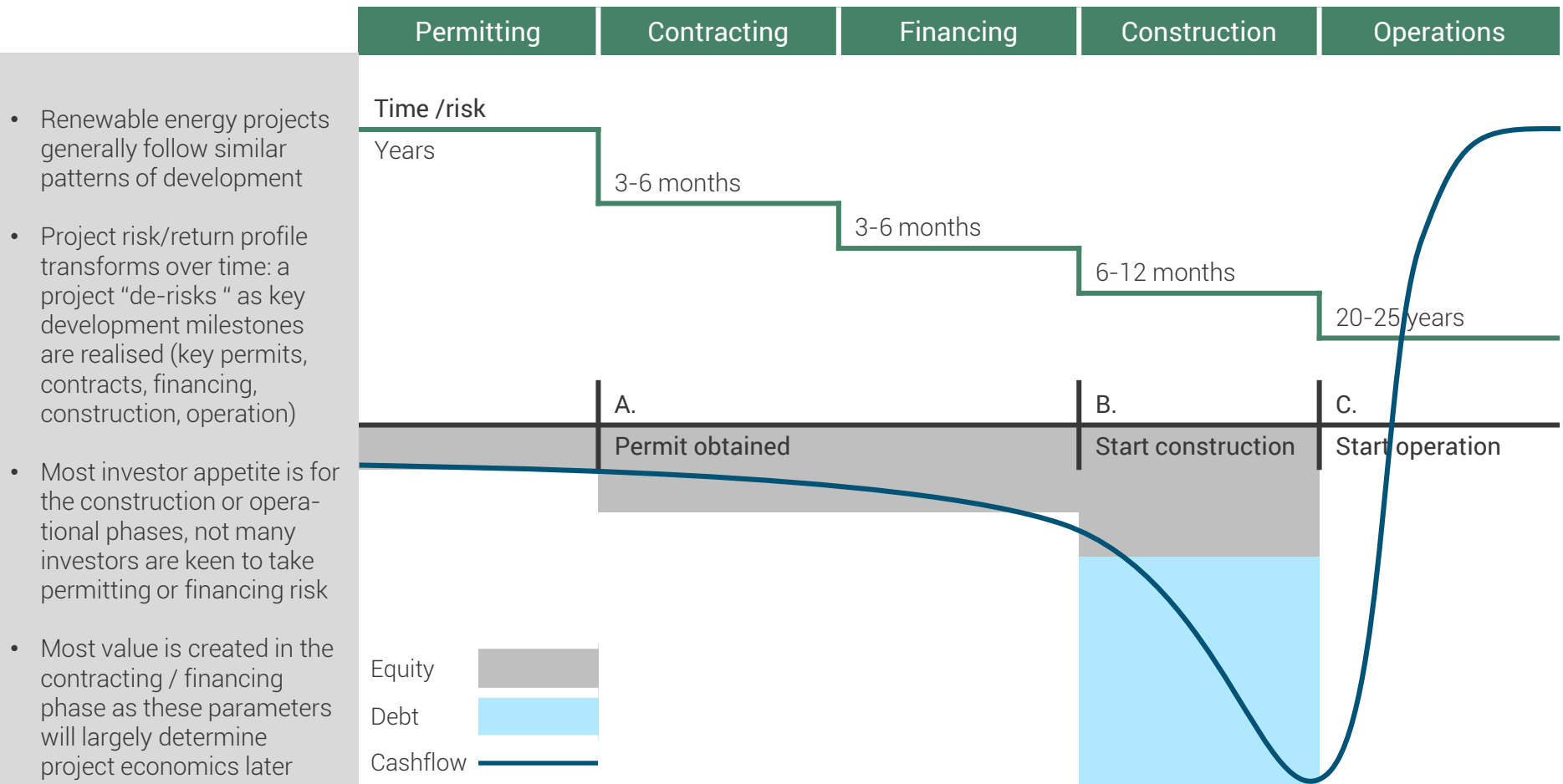
Huge number of investors (from very varied backgrounds) actively looking for PV assets in France and Germany to provide long-term stable cash flows

IV

Financing terms have never been more competitive and liquidity in the banking market is extremely high, meaning that there can be significant benefits to refinancing existing debt

# 3. M&A transactions

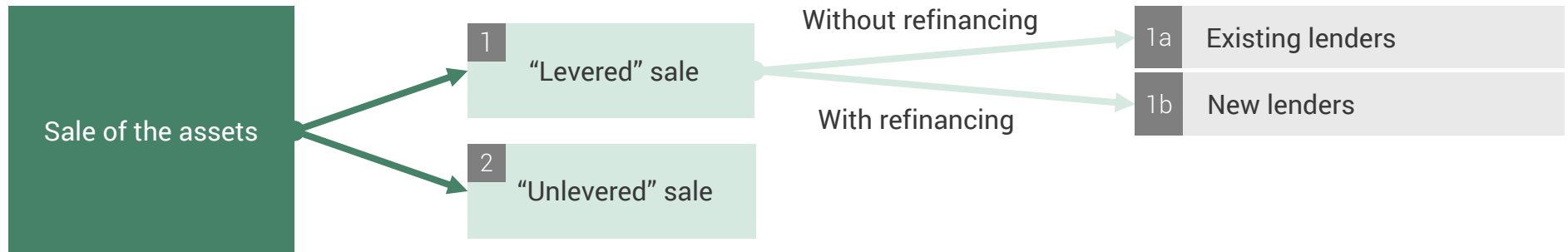
## What are the motivations for selling projects?



Most value is created during the development & contracting phases

# 3. M&A transactions

## Multiple options to sell a portfolio/project



### 1a "Levered" sale without refinancing

- Buyer keeps the existing debt with incumbent banks
- Debt restructuring could be an option (waiver-based)

### 1b "Levered" sale with refinancing

- Repayment of existing debt and raising of new debt package based on more advantageous terms
- New pool of commercial banks, requiring more detailed DD package and parallel process
- Prepayment conditions and swap breakage/novation to be considered

### 2 "Unlevered" sale

- Buyer repays entire debt
- Prepayment and swap breakage costs to be assessed

# 3. M&A transactions

## Categories of potential buyers for operational projects

Class		Geography	Ticket size	Control	Debt?
Developer	Utility	Europe	Full range (preferably large)	Usually majority	Unlevered
	IPP	Mostly local	EUR 10 M - EUR 70 M	Majority	Levered
	Pure developers	Mostly local	Development costs only	Full control before sale	Levered
Institutional investors	Infra funds	Selected countries	EUR 10 M - EUR 100 M	Minority	Levered
	Private equity	Worldwide	EUR 50 M - EUR 1,000 M	Majority	Levered
	Insurance companies	Worldwide	EUR 10 M - EUR 1,000 M	Minority	Potentially
	Pension funds	Developed countries	EUR 50 M - EUR 500 M	Minority	Potentially
	Sovereign wealth funds	Worldwide	EUR 200 M - EUR 1,000 M	Both	Potentially
Corporations	Contractors	Europe	Up to EUR 100 M	Minority	Potentially
	Japanese trading houses	Worldwide	EUR 50 M - EUR 1,000 M	Majority/key partner	Levered
	Other corporates	Local or global	No general rule – can be large	With strategic investor	Potentially

# 4. Refinancing existing debt

## Why refinance?

### Structural improvements

- Increase term loan maturity
- Lower DSCRs
- No gearing constraint
- Lower margins
- LC facility to replace cash funded DSRA
- Lower O&M budget/cost
- Higher P90 production assumptions thanks to
  - operational track record
  - portfolio effect (diversification)
- Lighter covenants

### Additional costs

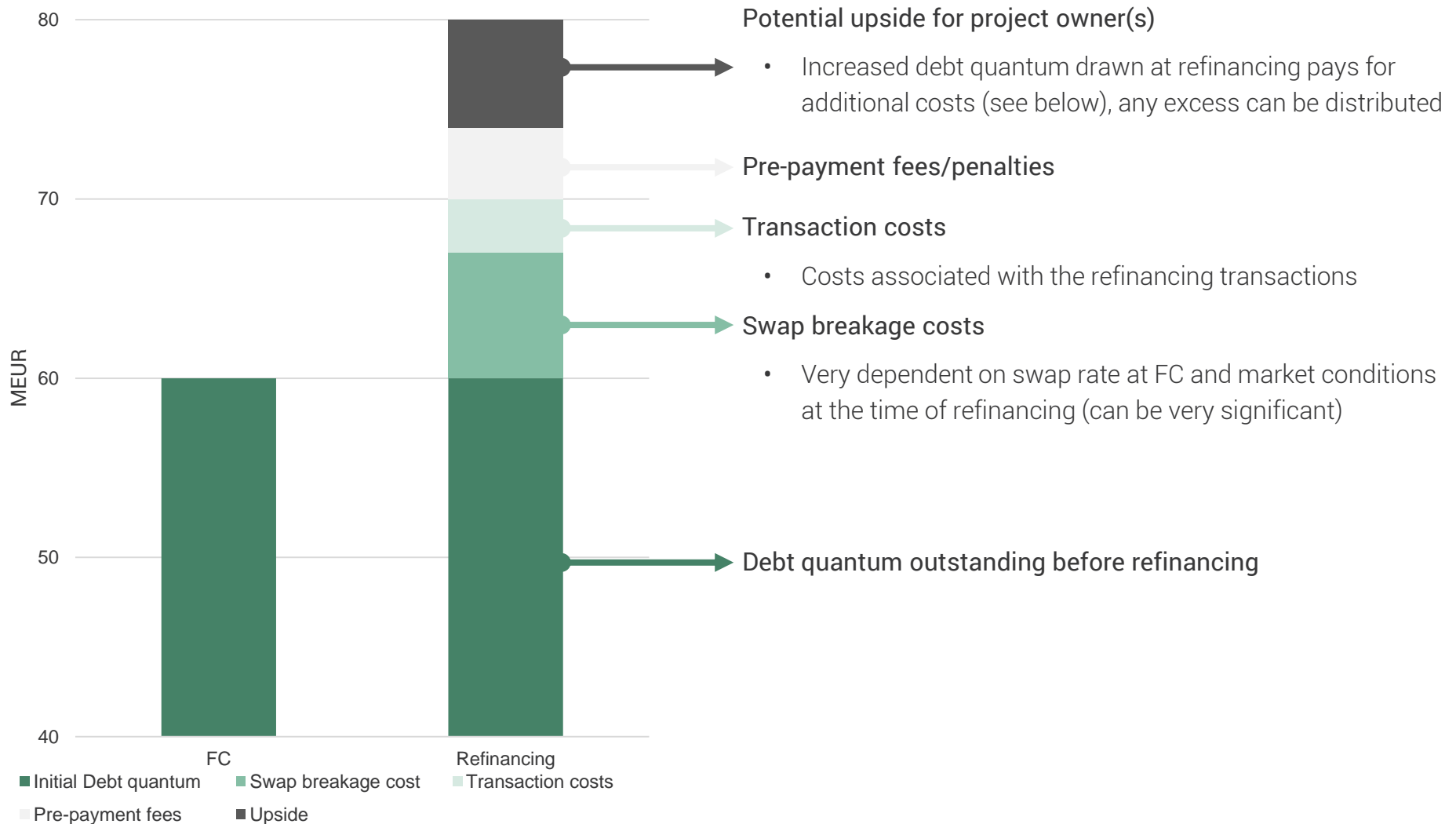
- Transaction costs (DD costs, upfront fees, legal fees, etc.)
- Pre-payment fees/penalties (sometimes)
- Swap breakage/unwinding costs:
  - Cost if rates have gone down since
  - Revenue if rates have gone up since(net impact is nil at first order because the increased debt quantum linked to lower interest rates is close to the swap breakage cost. Vice versa if rates have gone up.)

**Structural improvements lead to an increase in debt quantum - additional debt can be used to pay for transaction costs and still leave some upside for the project owner(s)**



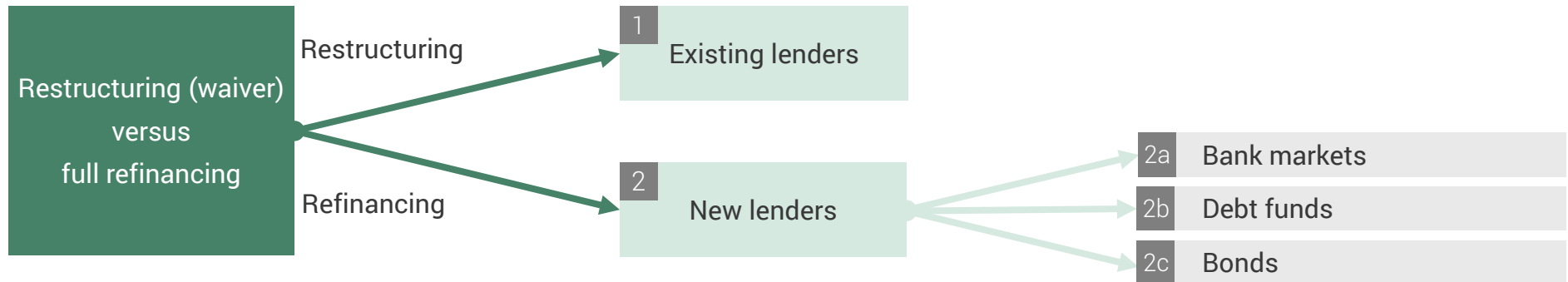
# 4. Refinancing existing debt

## Comparison of debt quantum before and after refinancing



# 4. Refinancing existing debt

## Several refinancing options



### 1 Restructuring with existing lenders

- Iterative discussions with creditors
- Unanimous approval required
- Updated technical & market due diligence reports
- 3-6 months

### 2 External refinancing with new lenders

- Broad market approach, requiring full set of due diligence
- Need sufficient volume
- 6 months process including preparatory work

### 2a Through loan markets

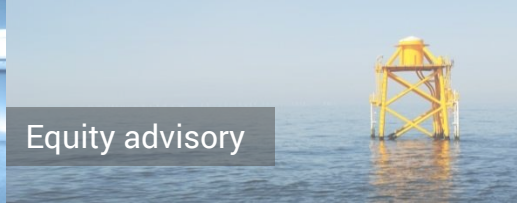
- 2b • Typically with commercial banks
- Possibility to include some debt funds or institutional investors, if possible regulatory and tax-wise

### 2c Through bond markets

- To attract the right amount of capital, likely to require early appointment of placement agent and rating agency
- May require some information to be made public
- Still a new tool, not very proven



Debt advisory



Equity advisory



Modelling



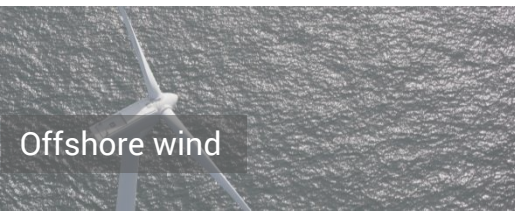
Strategic advisory



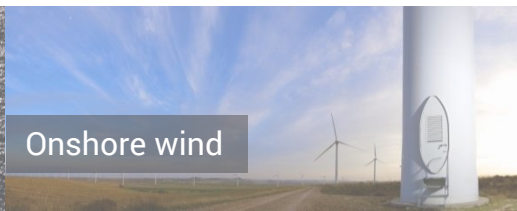
The renewable energy financial advisors

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Offshore wind



Onshore wind



Solar



Other renewables