Drivers of sustainability in industrial real estate

Case study on corporate real estate of a manufacturing company

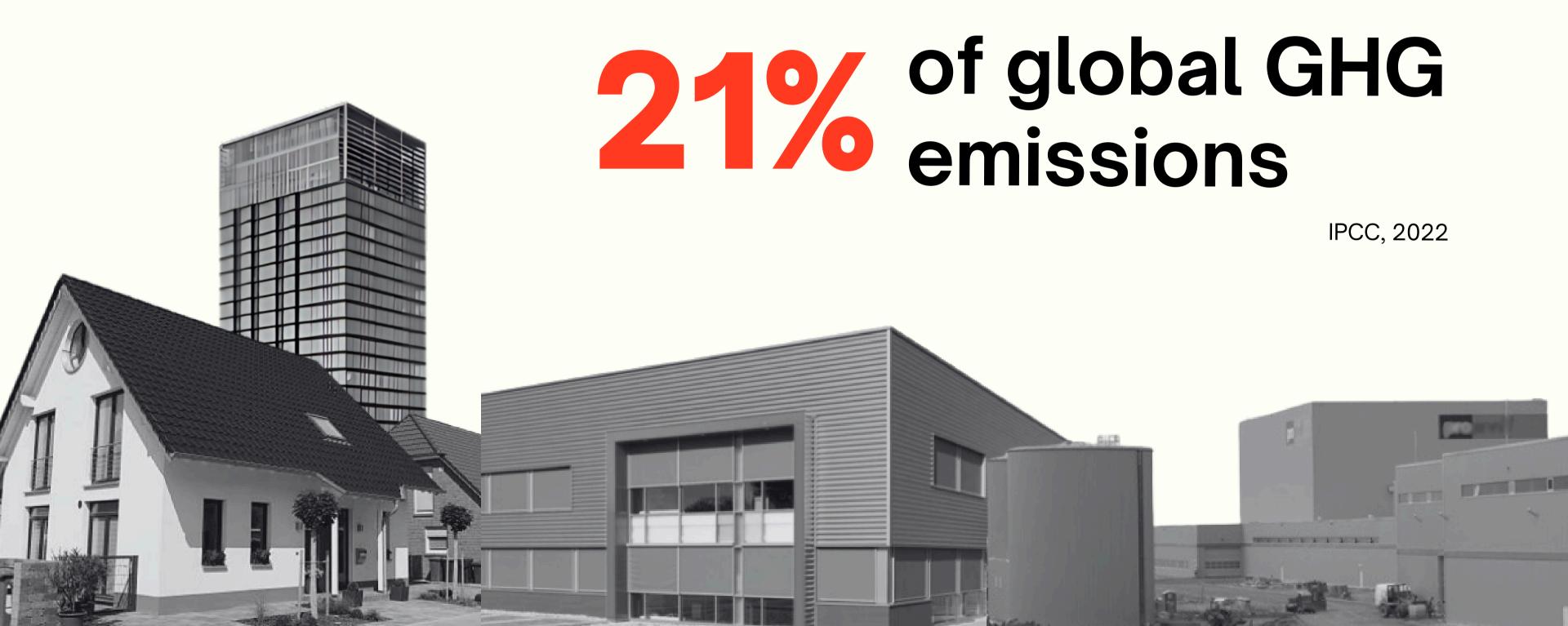








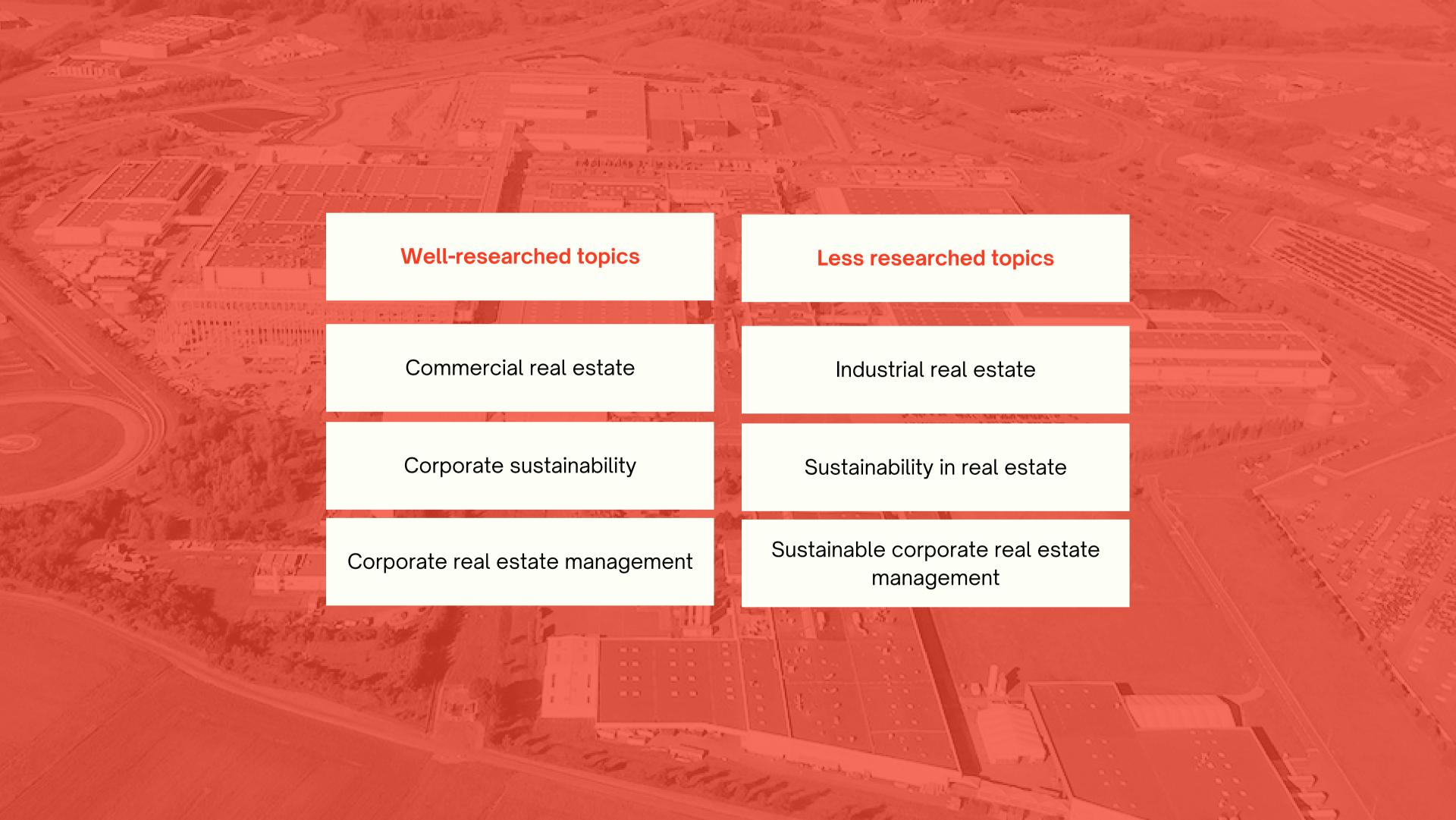
Impact of the built environment





Industrial real estate







What are the external and internal drivers of sustainability in corporate real estate management of a manufacturing company?

Who are the most important stakeholders driving the sustainable change in corporate real estate management?

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- What are the financial reasons for sustainable implementation in industrial corporate real estate management?

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- What are the financial reasons for sustainable implementation in industrial corporate real estate management?
- What is the role of European and national regulations in sustainability implementation in industrial corporate real estate management?
- Is double materiality taken into account in the aspect of climate change risk management?

Content

06

01 Introduction
02 Theoretical background
03 Research methods
04 Findings and discussion
05 Conclusion and key takeaways

Limitations and recommendations

Theoretical background on Corporate Real Estate and Sustainability

What is corporte real estate?



CRE

real estate necessary to conduct a business



Industrial real estate

manufacturing facilities, warehouses, logistic centers



CRE management and added value

balancing between business and real estate; internal and external actions



- in supply chain
- in CSRD
- it is owner-occupied



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What is sustainability?



Triple bottom line

environmental, social and economic sustainability



Sustainable transitions

and paradox perspective in corporate sustainability



Sustainability reporting

Green Deal, EU
Taxonomy, CSRD and
many, many more



Double materiality



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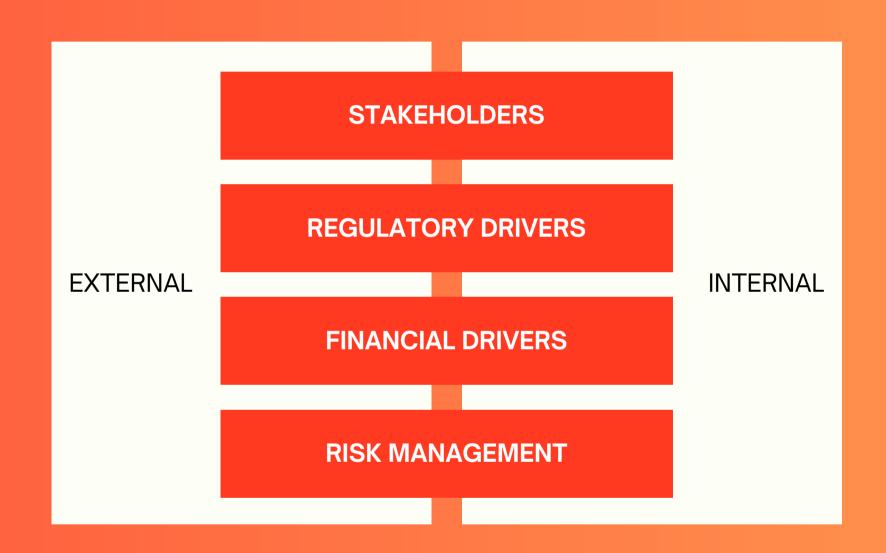
Sustainability reporting

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Double materiality

Theoretical framework

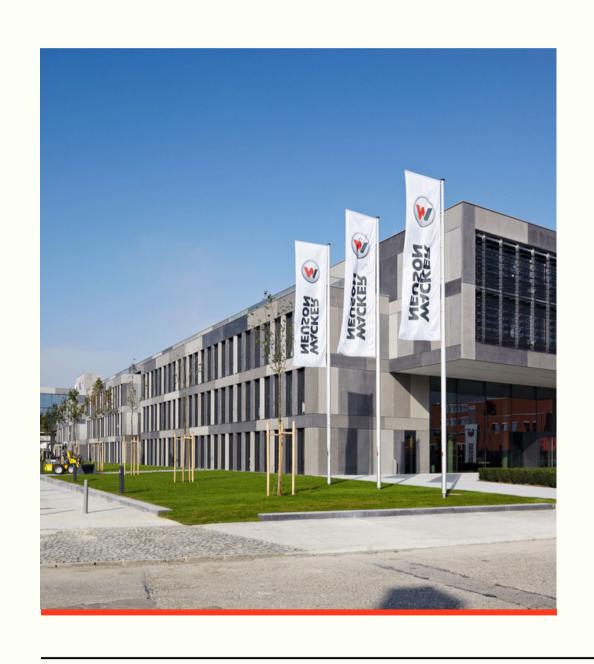


Research methods 01 | 02 | **03 Research methods** | 04 | 05 | 06

Single case study

Documents

In-depth interviews







Wacker Neuson





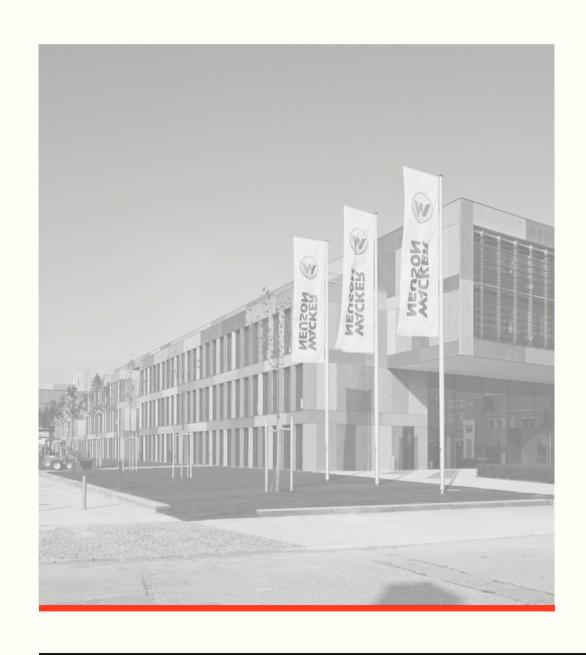




Single case study

Documents

In-depth interviews







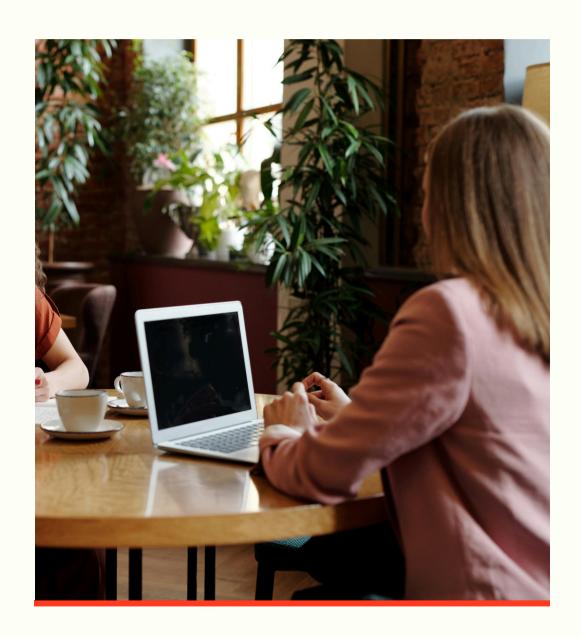
Single case study

Documents

In-depth interviews







Research phases

1

2

3

Preparatory phase

market and literature research

Fieldwork phase

interviews and documentation

Theorizing phase

data analysis and conclusion





Stakeholders



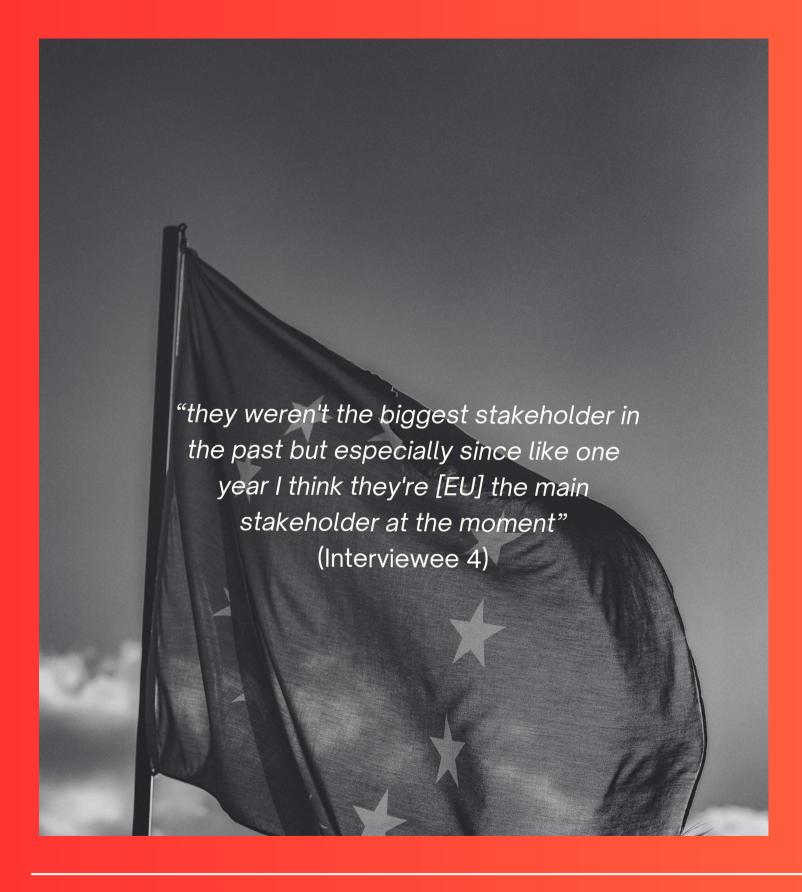
01 | 02 | 03 | **04 Findings and discussion** | 05 | 06

1 CEO and the executive board



1 CEO and the executive board

2 Employees



- 1 CEO and the executive board
- 2 Employees
- 3 The EU



1 CEO and the executive board

- 2 Employees
- 3 The EU
- 4 Customers



1 CEO and the executive board

- 2 Employees
- 3 The EU
- 4 Customers
- 5 Competition

Source of information [interviewees]:	Internal stakeholders	External stakeholders
Management	Executive board, CEO, employees, shareholders	EU, the government, customers, investors
Managing directors of plants	Executive board, CEO, management, employees, the society	EU, the society
CRE	Executive board, employees, shareholders, CEO	Customers, competitors, EU
Facility management	Employees, executive board, facility management	Competition, customers, suppliers





Not recognized as a main driver

in the first answers





Not recognized as a main driver

Prevalent economic language

in the first answers

"It's always important in the end that it should pay out. If I take the solar panels as an example: this was calculated really hard" (Interviewee 15)



Not recognized as a main driver

in the first answers



Prevalent economic language

used for evaluation of investments



Prioritisation

sustainable investments are evaluated together with other types of investments



Not recognized as a main driver

in the first answers



Prevalent economic language

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Prioritisation

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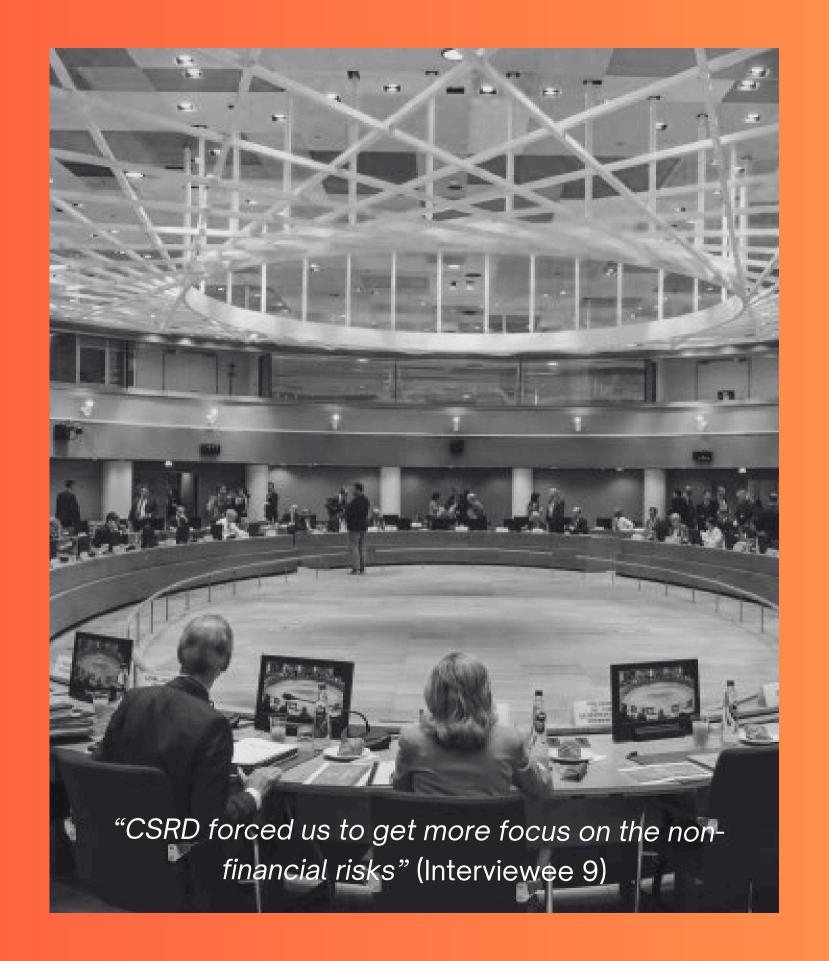
Savings

"Of course it is a financial cost savings [implementing PV]" (Interviewee 2)



Regulatory drivers

Corporate Sustainability
Reporting Directive



Corporate Sustainability
Reporting Directive

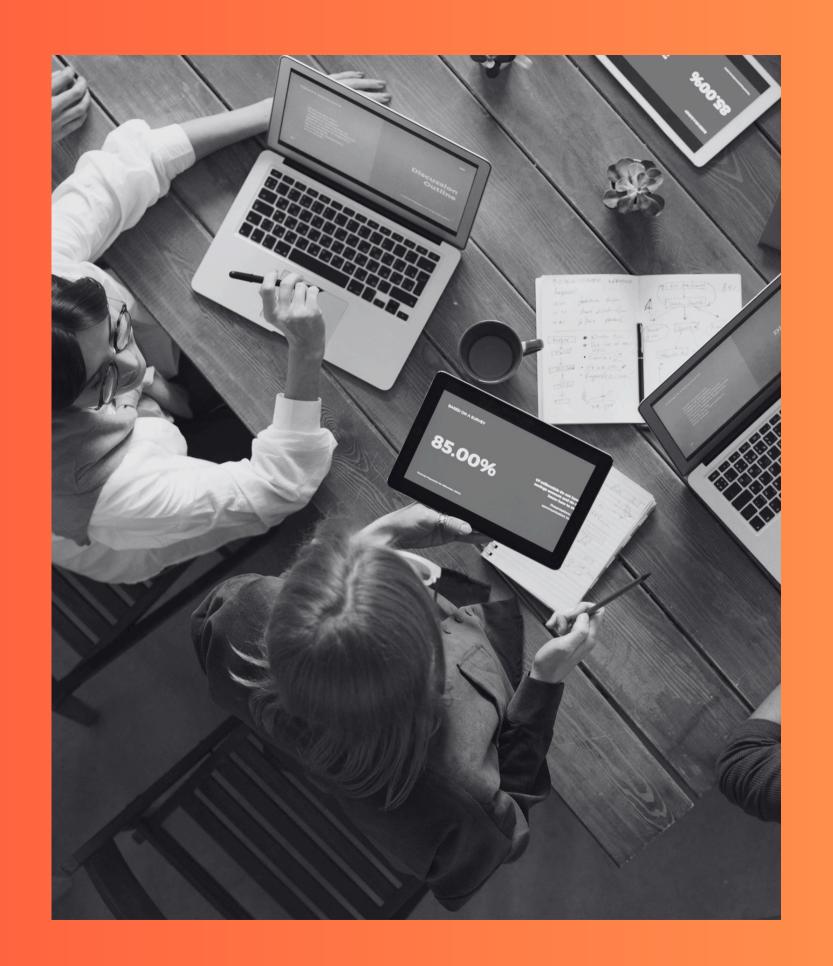
Other regulations: ISO on energy and environment



Corporate Sustainability
Reporting Directive

Other regulations: ISO on energy and environment

Relevance dependent on employees





Risk management

Climate change related risk management



Not yet recognized

unknown concept of double materiality

Climate change related risk management



Not yet recognized

unknown concept of double materiality



Focus on client base

"but if you look a little bit more in detail it will affect our customers base [the climate change]" (Interviewee 12)

Climate change related risk management







Not yet recognized

unknown concept of double materiality

Focus on client base

focus on effect of climate change on clients and thus the main business

Assessment and quantification

it should start with assessment which should move away from financial language

Climate change related risk management









Not yet recognized

unknown concept of double materiality

Focus on client base

focus on effect of climate change on clients and thus assessment which should the main business

Assessment and quantification

it should start with move away from financial language

Role of regulations

such as the **EU Taxonomy**



Local communities



Energy security



Communication and transparency



Time







Communication and transparency



"It's also a bit of an image - of course we don't want to be seen as the environmental polluters in the district" (Interviewee 1)







Communication and transparency



"because we are always driven by pain, something must happen before we react" (Interviewee 9)

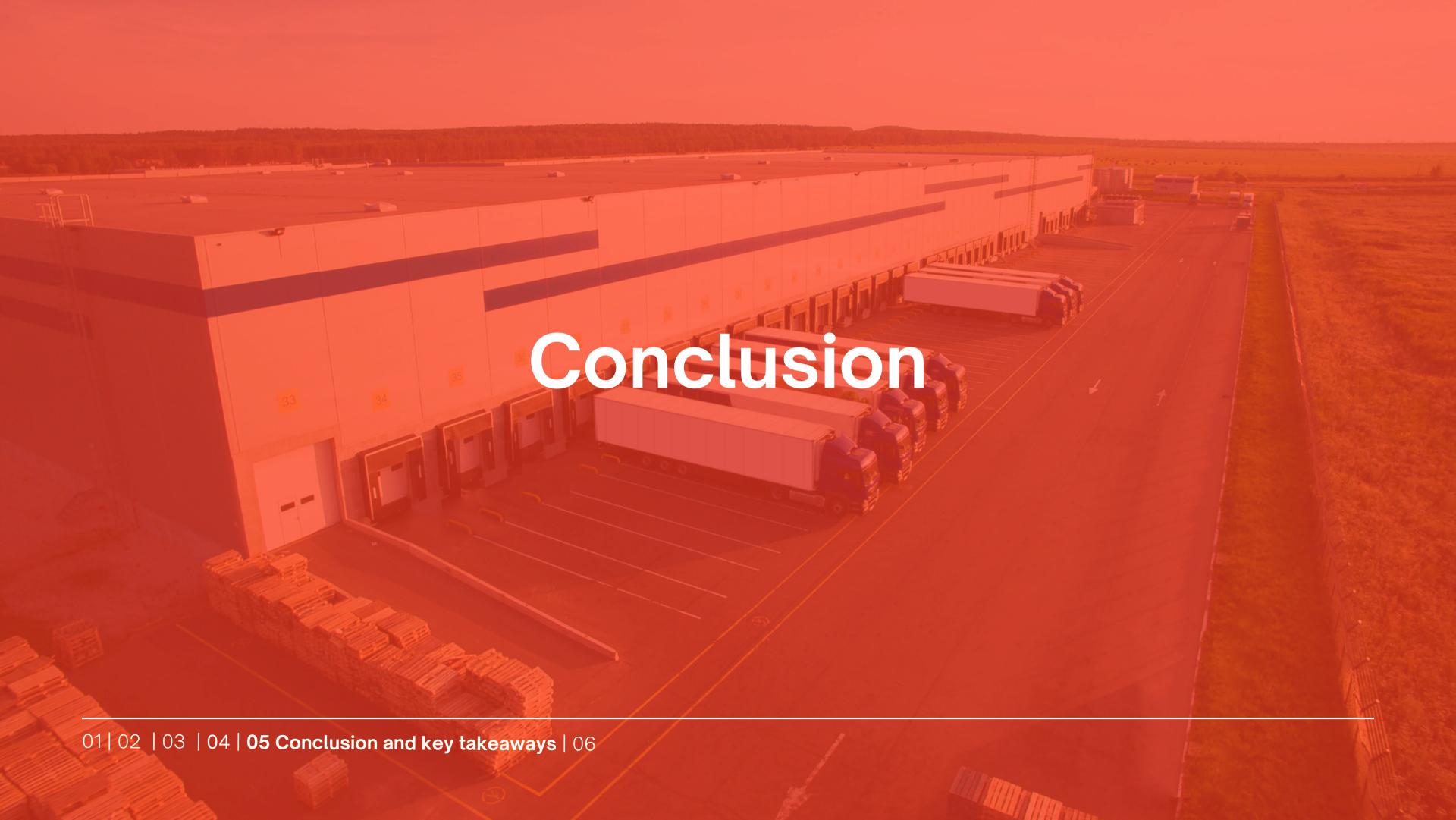




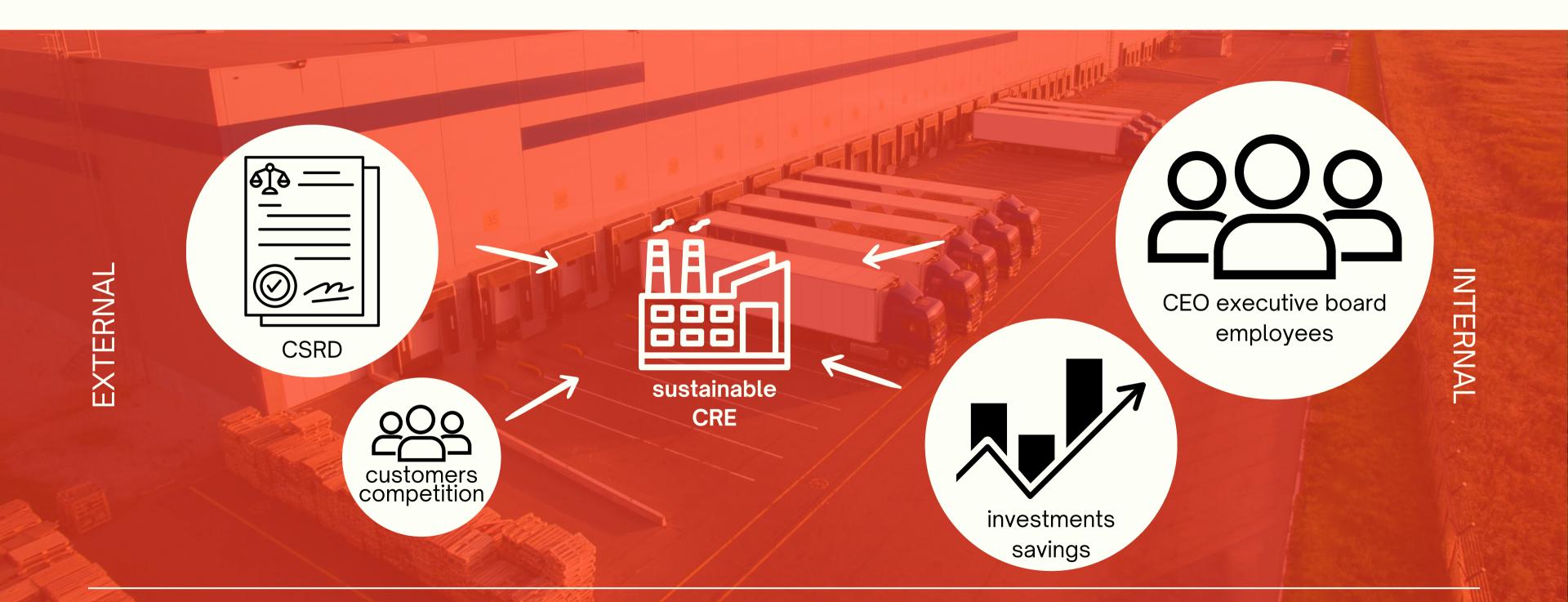


Communication and transparency

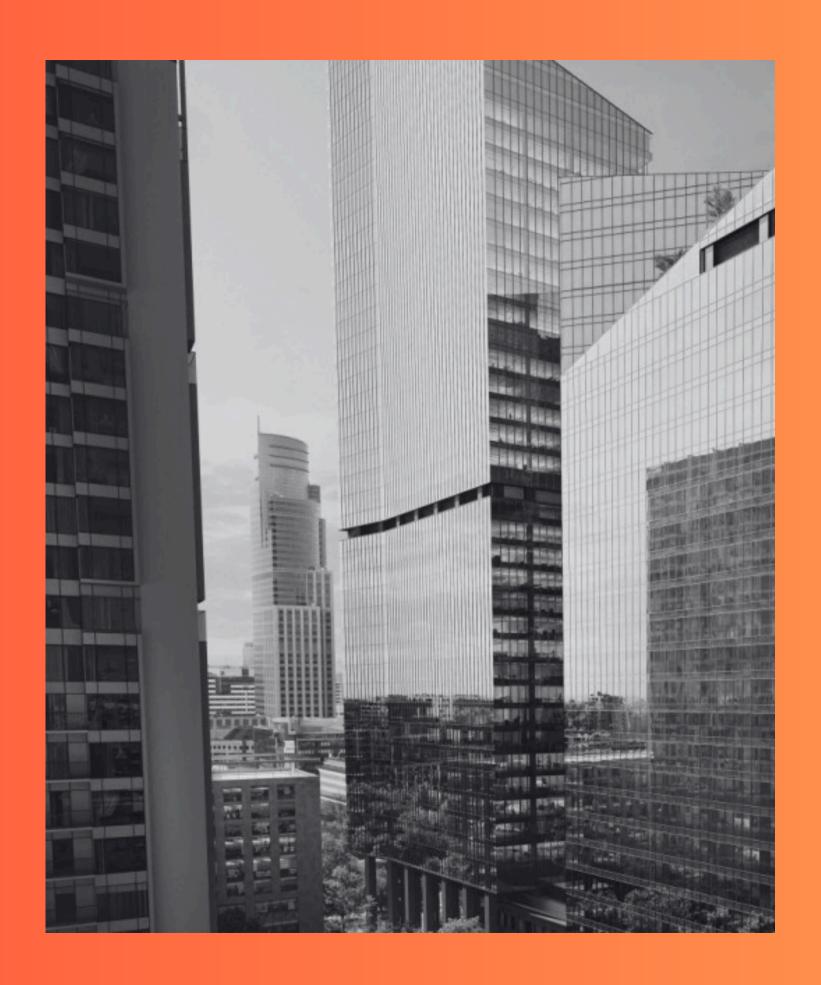




What are the external and internal drivers of sustainability in corporate real estate management of a manufacturing company?



IRE vs commercial real estate



What's next?

For sustainable growth at Wacker Neuson



What's next?

For policy making



1

Method

Single case study method

1

2

Method

Single case study method

Interviews

Limitations of semistructured interviews

1

2

3

Method

Single case study method

Interviews

Limitations of semistructured interviews

Limited literature

Lack of literature on industrial real estate

1

Multiple organisations

Conduct research at multiple organisation within the same sector

1

2

Multiple organisations

Conduct research at multiple organisation within the same sector

Research on regulations

Follow and research the ongoing regulations

1

2

3

Multiple organisations

Conduct research at multiple organisation within the same sector

Research on regulations

Follow and research the ongoing regulations

Beyond the EU context

Further research going beyond the EU context

Thank you for your attention



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