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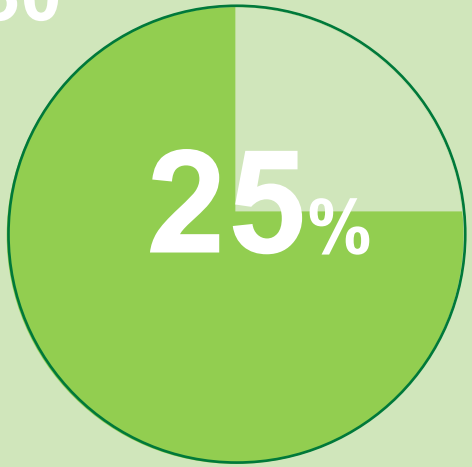
Take another step towards a greener tomorrow: Renewable Power

Made with Biomass Balance and Renewable Power
Made for the future

Our commitment to reaching the Paris Climate Agreement

2030



CO_2 emissions reduction (compared with 2018)[1]

2050

CO_2 emissions[1]

[1]Scope 1 and Scope 2; 2030 target compared with 1990: 60% CO_2 reduction

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We take renewable energy supply into our own hands

Investing in renewable energy:

- Chemistry requires huge quantities of energy.
- That’s why we’re becoming our own renewable energy producer.
- We’re also pursuing long-term power purchase agreements for the supply of renewable energy to our sites.

Focused on the planet

We know we cannot lose sight of our responsibility to the planet. Therefore, our focus is on:

- Continued Innovation
- Emissions reduction
- Developing new sustainable product solutions
- Incorporating renewables
- Using **Renewable Power Energy**

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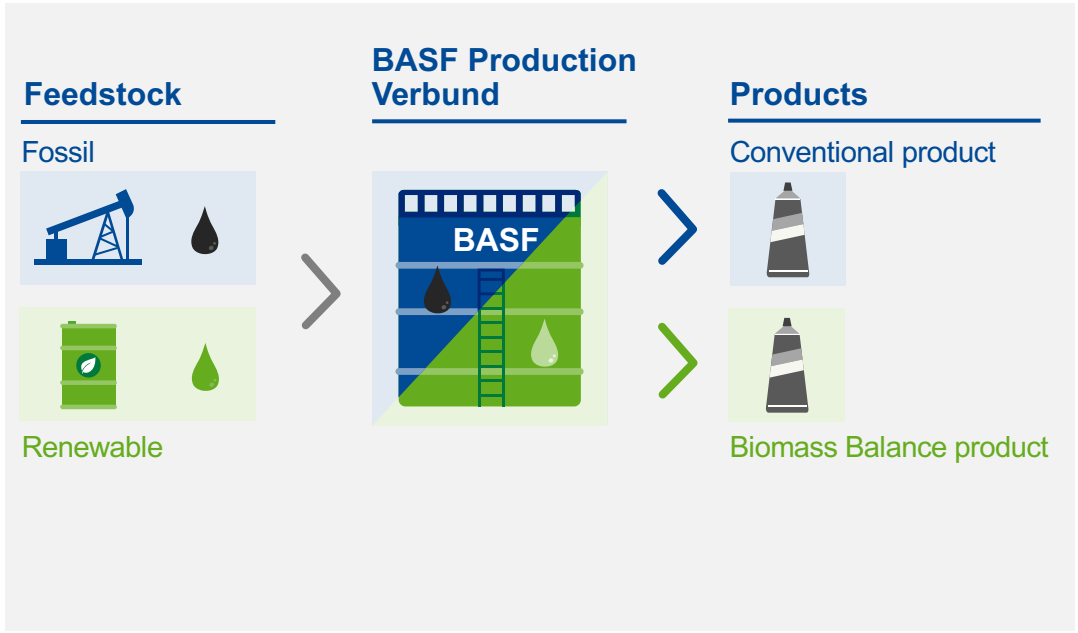
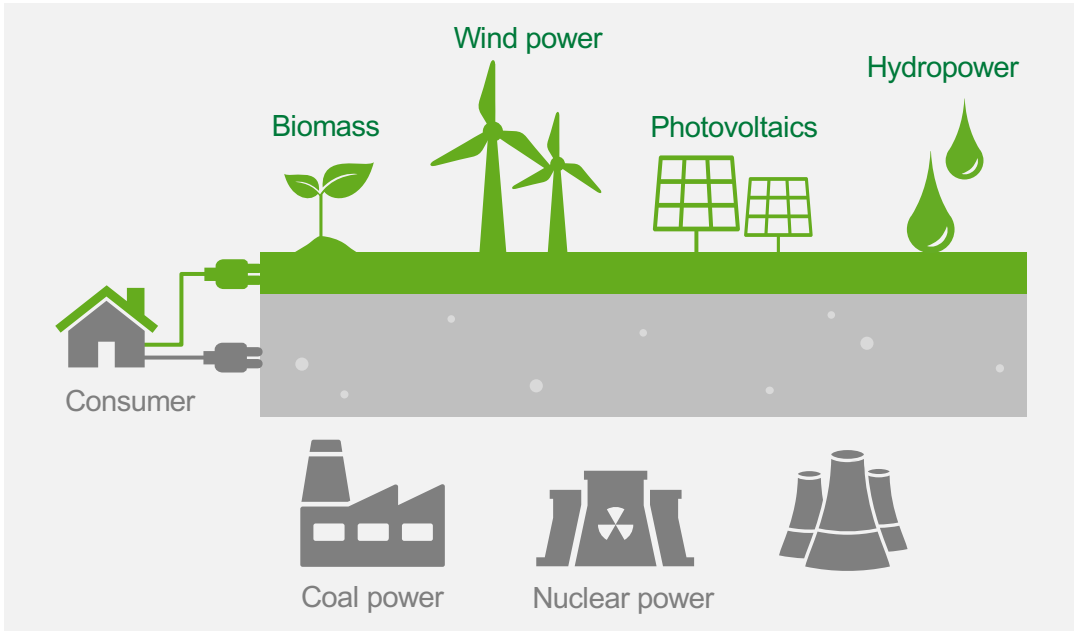
Biomass Balance Approach can be compared to Renewable power

Biomass Balance Approach



Renewable power



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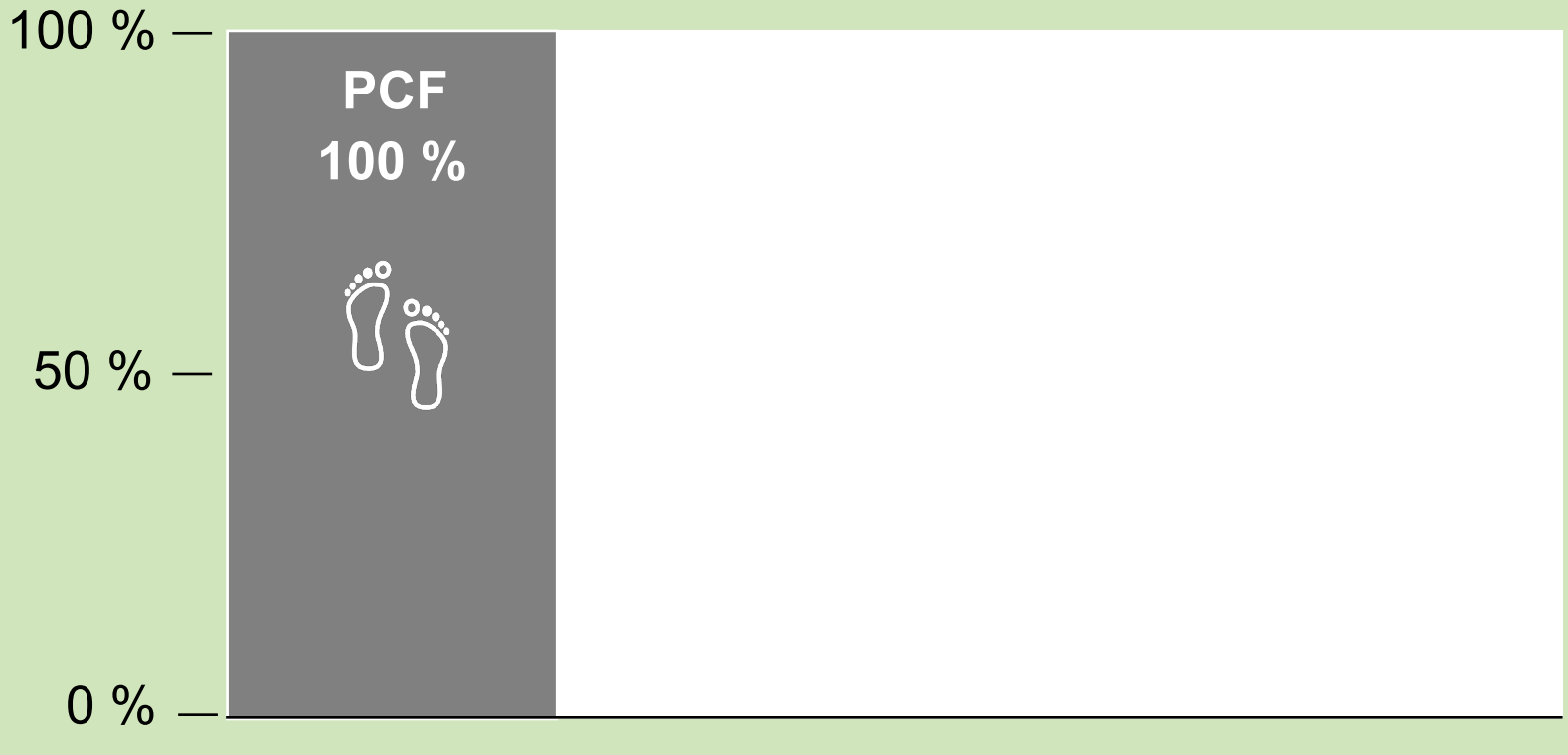
Two big steps towards a greener tomorrow

Options for reducing Product Carbon Footprints

< 75 % by sourcing renewable raw materials (biomass balance approach)

< 10 % by choosing Renewable power

Roadmap to net zero via improvements and supplier management



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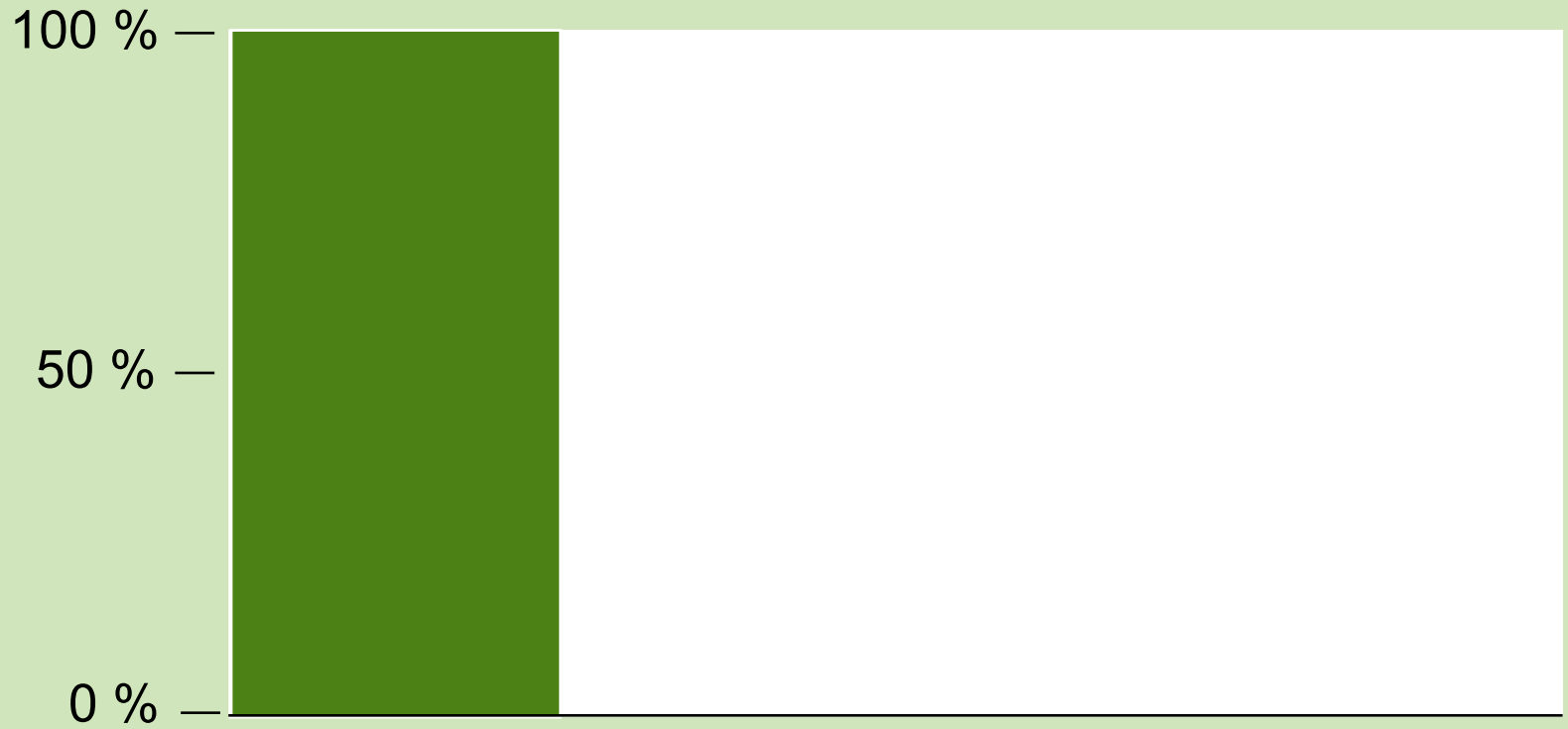

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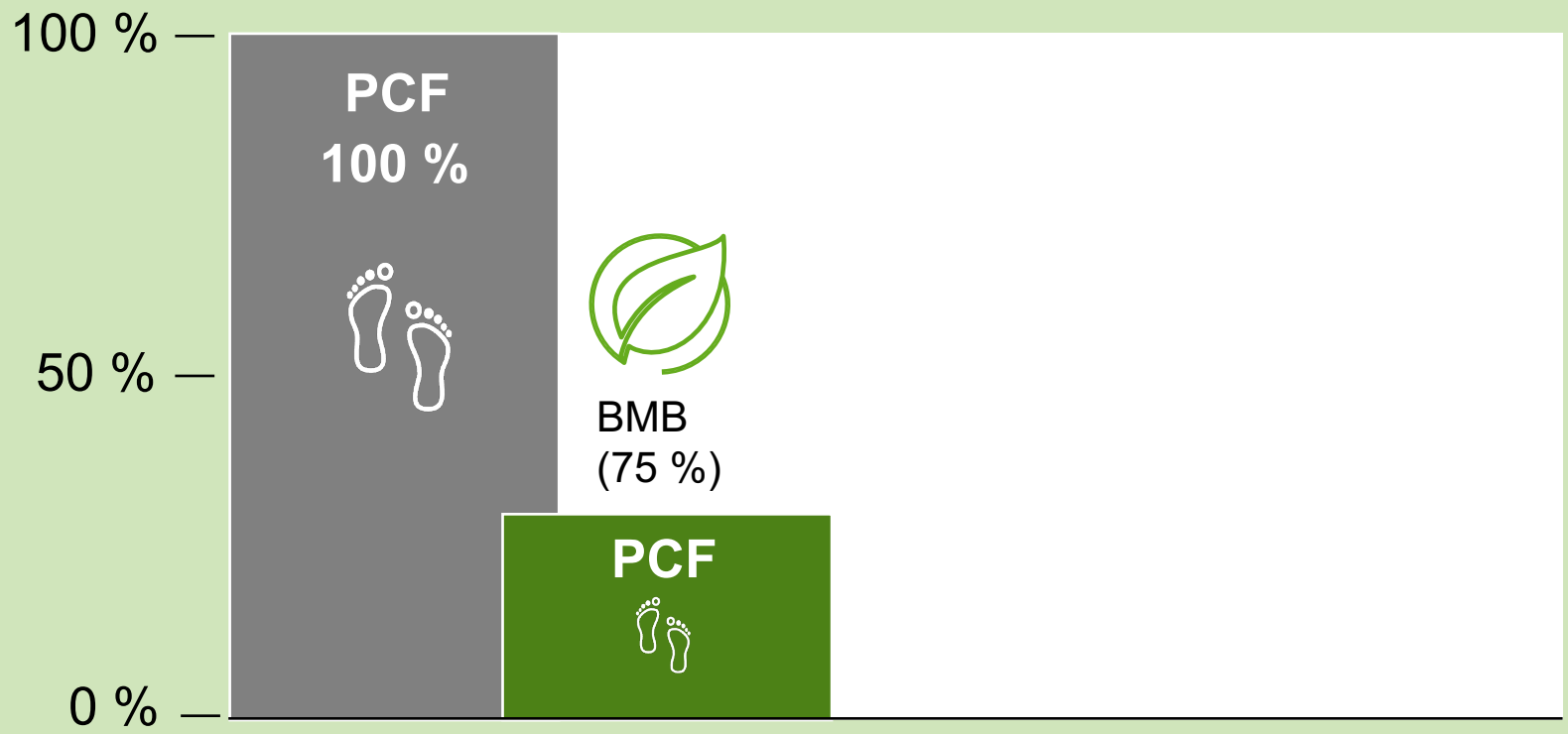

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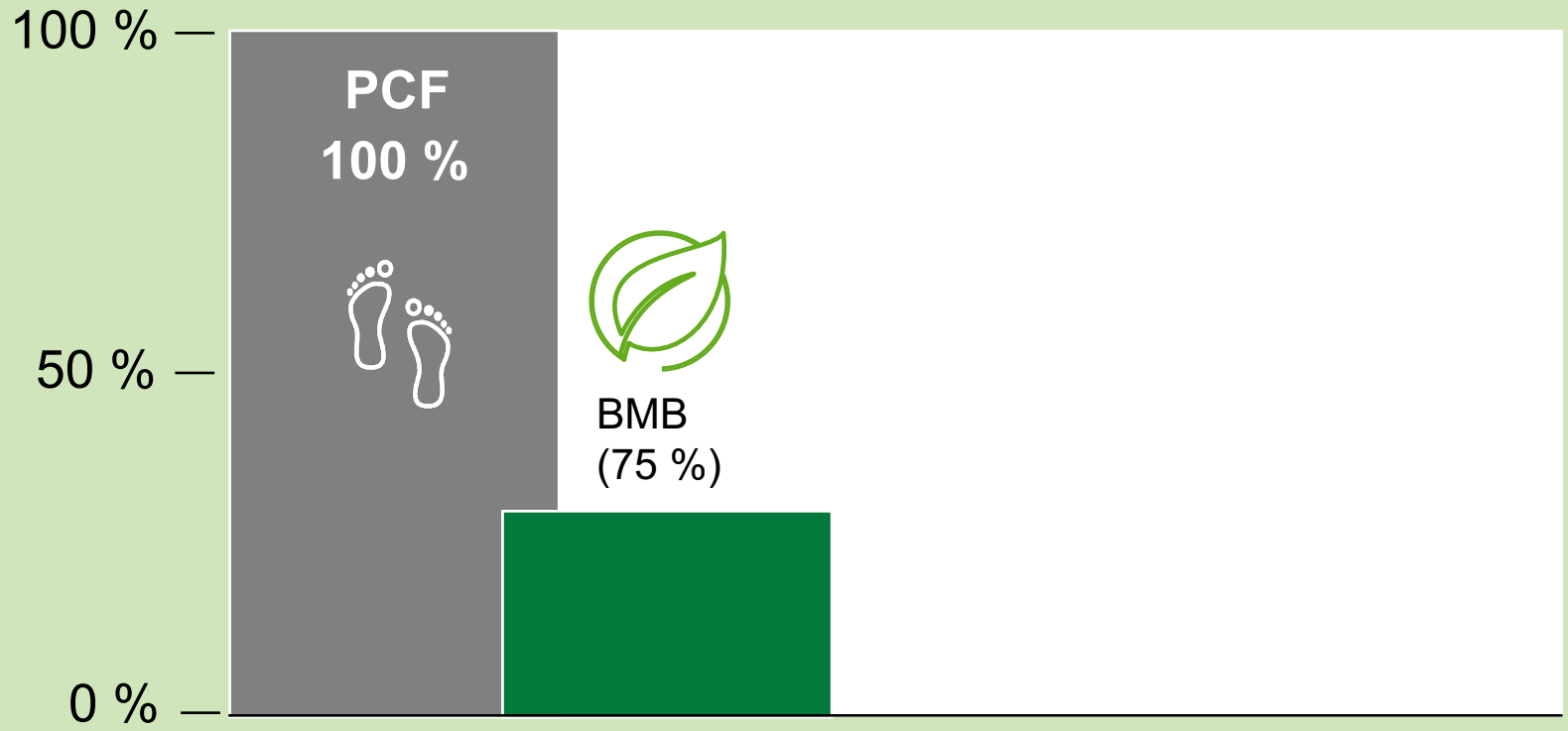

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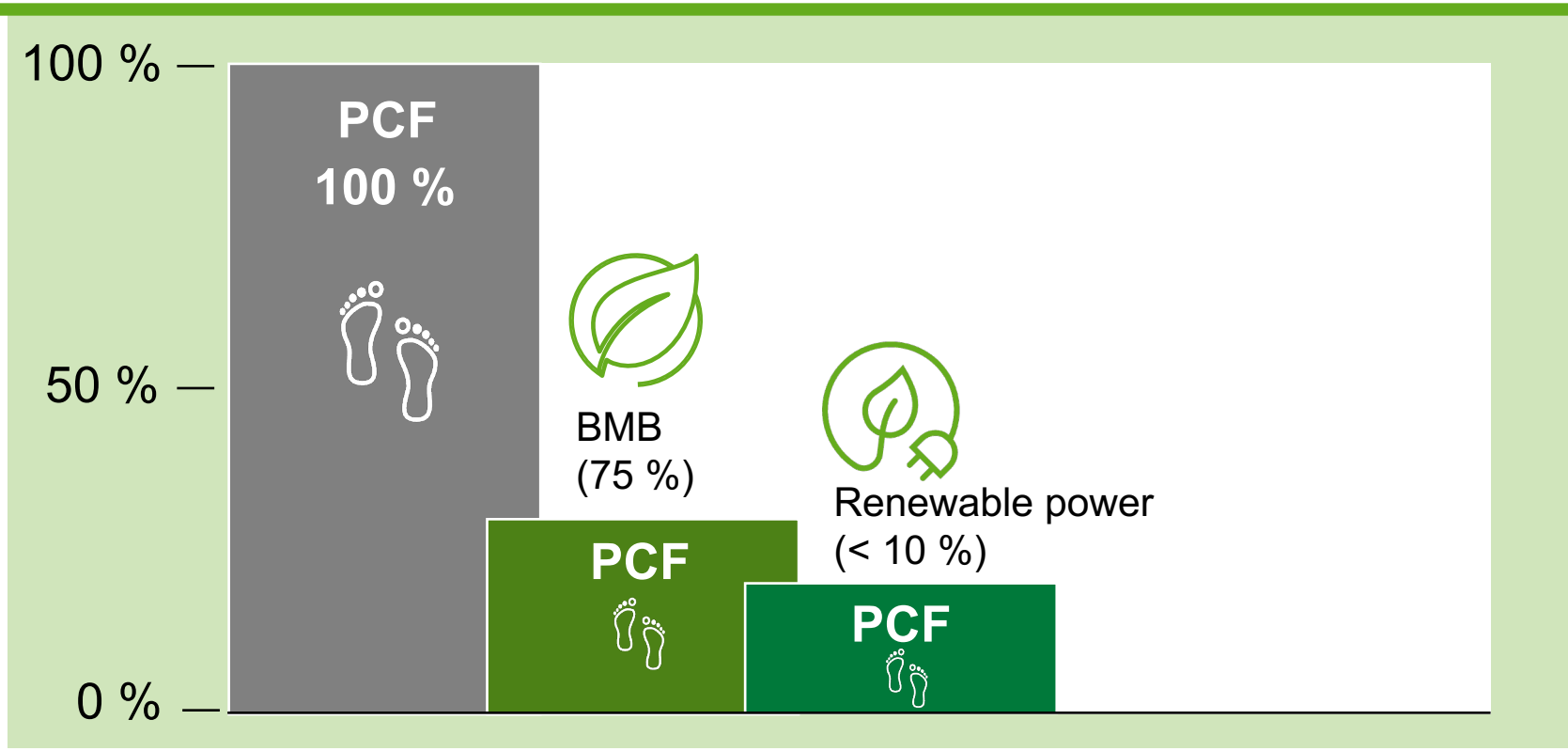

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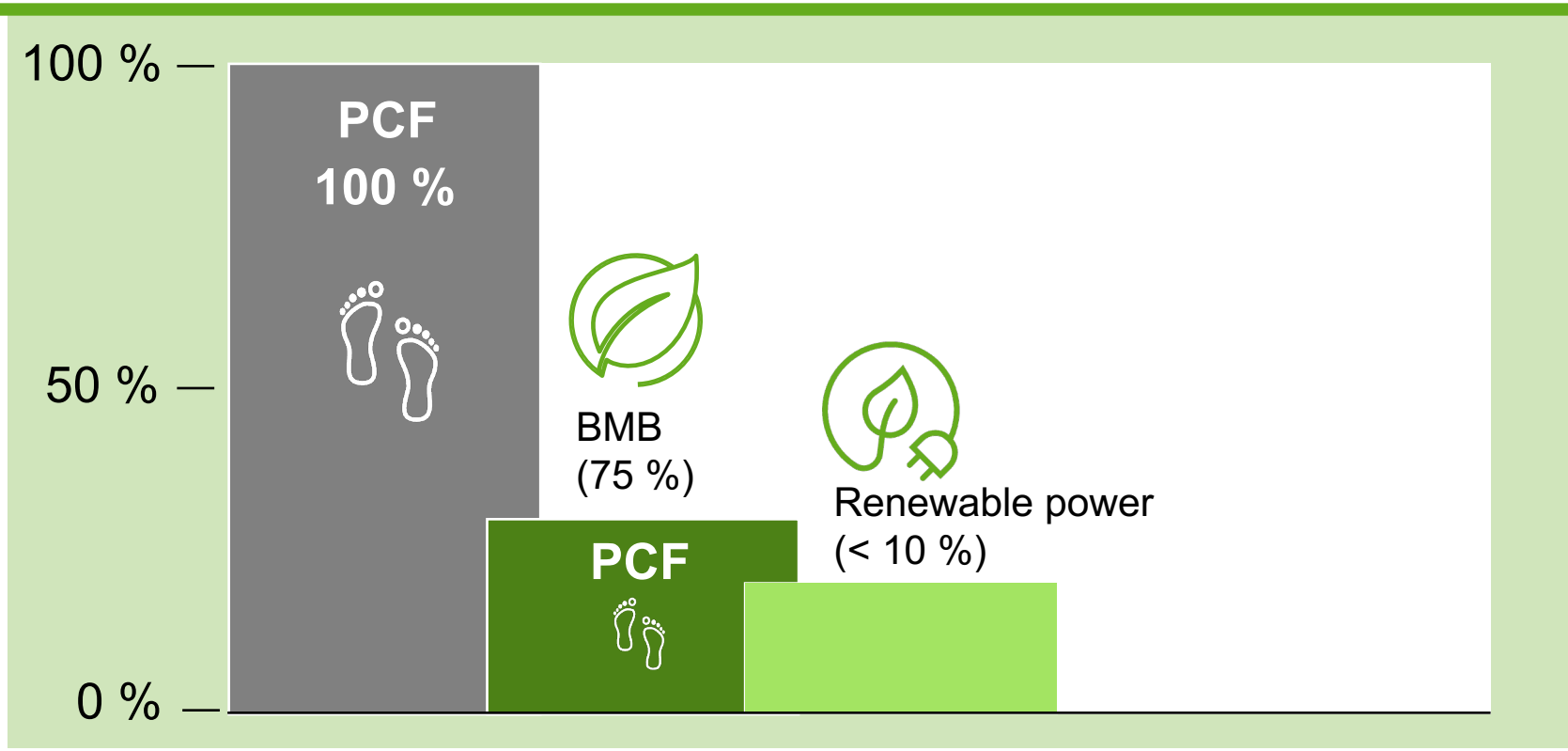

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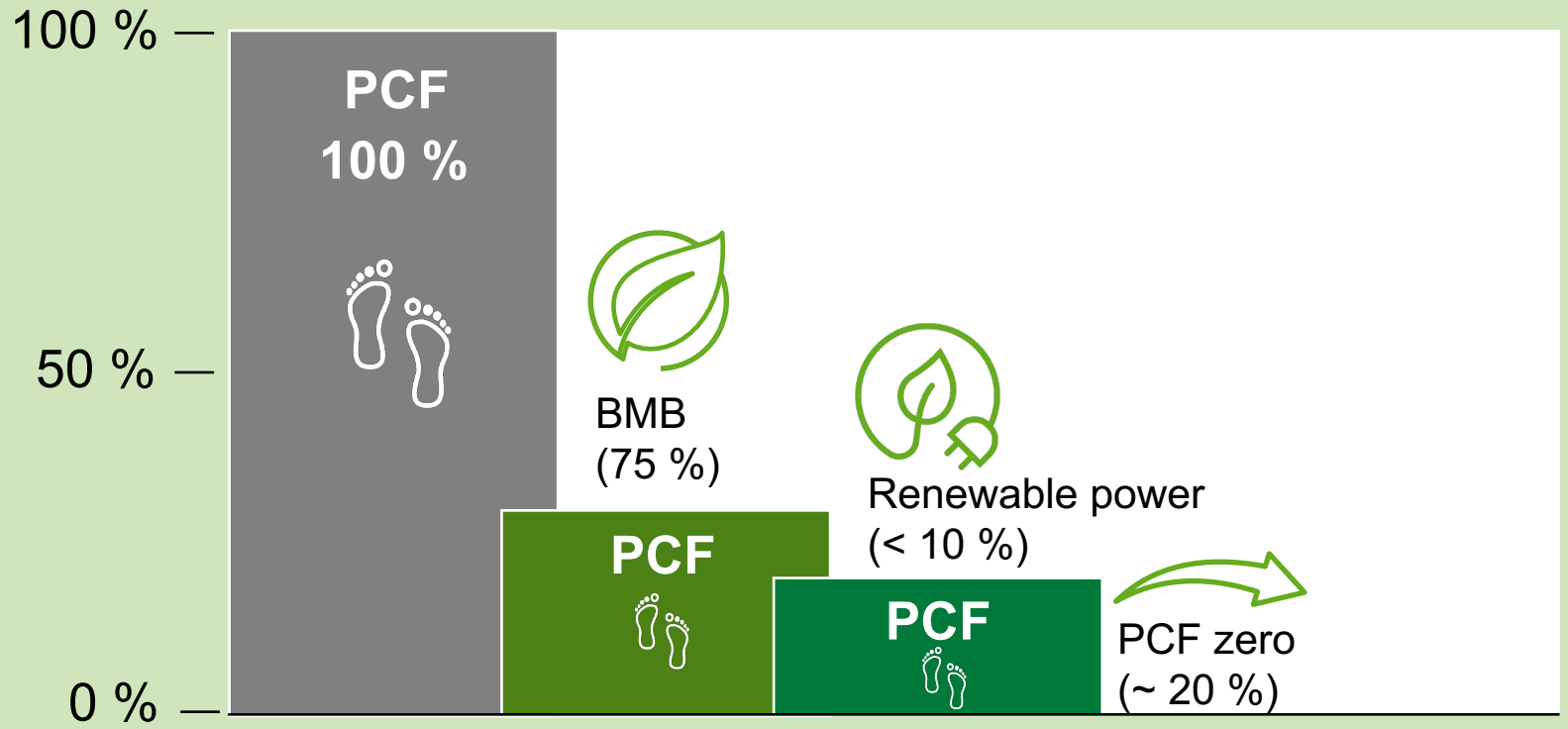

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It’s time to reduce CO_2

PCF reduction in %

100% 0%

~ 10% Renewable Power

~ 75% Biomass Balance

Biomass Balance

Ensures that **100%** of conventional fossil-based material is replaced by renewable feedstock in the value chain

Enables a reduction of the product carbon footprint (PCF) by **~ 75%**

REDcert² Biomass Balance certified ensuring the correct attribution of the renewable feedstock

Renewable Power

Ensures that **100%** of the electricity used for production comes from renewable sources

Enables a reduction of PCF by additional a further **~ 10%**

Renewable resources

Roadmap to net zero

Future PCF reduction via improvements and supplier management

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Taking wind farms to the next level

Offshore wind farms will play a decisive role for the use of innovative, low-emission technologies in our chemical production in Europe”

Dr. Lars Kissau, President BASF SE, Net Zero Accelerator.

Building the biggest offshore wind farm of the world

Located in the North Sea

In partnership with Vatenfall and Allianz

Online in 2023

Generating 1.5 gigawatts

100% **renewable electricity**

More information:
BASF Energy GmbH

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Plugging in to tomorrow’s furnaces

Construction of the world’s first plant for electrically heated steam cracker furnaces

In Partnership with SABIC and Linde

Funded by the German Federal Ministry for Economic Affairs and Climate Action

Demonstration plant scheduled to go online in 2023

Potential **reduction of CO, emissions by at least 90%** compared to conventional steam crackers

More information:
Electrically heated steam cracker

“BASF’s mission is to achieve climate neutrality, and electrification of the hugely energy-intense steam cracker is a significant milestone in our transformation journey towards net zero”

Dr. Martin Brudermüller,
Chairman of the Board of Executive Directors of BASF SE

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A pump as big as a pitch

“That's what I love about my job. We develop solutions that help BASF, and also society!”

Bart Van Assche,
Vice President Global Infrastructure Technology

Plans to build industrial-scale heat pumps

Employ reclaimed waste heat from chemical plants and cooling water systems

Reduction of emissions

Dramatically reduce the use of fossil fuels.

More information:
industrial-scale heat pumps

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The climate is changing. So are we.

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