

BASF Research Press Briefing, December 11, 2025

# Success through innovation

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**Dr. Stephan Kothrade**

Board Member and  
Chief Technology Officer

**Dr. Christoph Wegner**

President Group Research

 **BASF**

We create chemistry

Our ambition

To be the preferred chemical company to  
enable our customers' green transformation

The chemical industry will remain essential to all other industries, but the playing field is changing. So are we.

We focus our R&D activities on:



**Green Transformation**



**Sustainable Agriculture**



**Competitiveness**



# Our innovation engine runs at full speed and delivers results

Around  
**€2**  
**billion**  
investment in R&D

More than  
**15%**  
of sales from  
innovative products

About  
**80%**  
of R&D activities in  
scope support BASF's  
sustainability targets

Numbers refer to 2024

# We leverage our innovation power

Over  
**1,000**  
patent applications  
in 2024

About  
**45%**  
of patents focus  
on sustainability

Around  
**23%**  
of patents focus  
on digitalization

# We are close to our customers and markets



**Global R&D presence**  
with ~70 R&D sites  
as well as hubs  
in Ludwigshafen,  
North Carolina  
and Shanghai

**Co-creation**  
with global key  
accounts and local  
champions in  
emerging markets

● Largest R&D sites

We improve products.  
Together with our customers.

## Smart Verbund

We use bio-based raw materials, renewable electricity and low-emission steam to deliver ZeroPCF products.



# We improve processes. To reduce our emissions.

## Reduction of CO<sub>2</sub> emissions through operational excellence measures

Kilo tons per year, cumulative



<sup>1</sup> Forecast

Opex measures helped to reduce CO<sub>2</sub> emissions by more than **1.3 million tons** from 2015 to 2024.

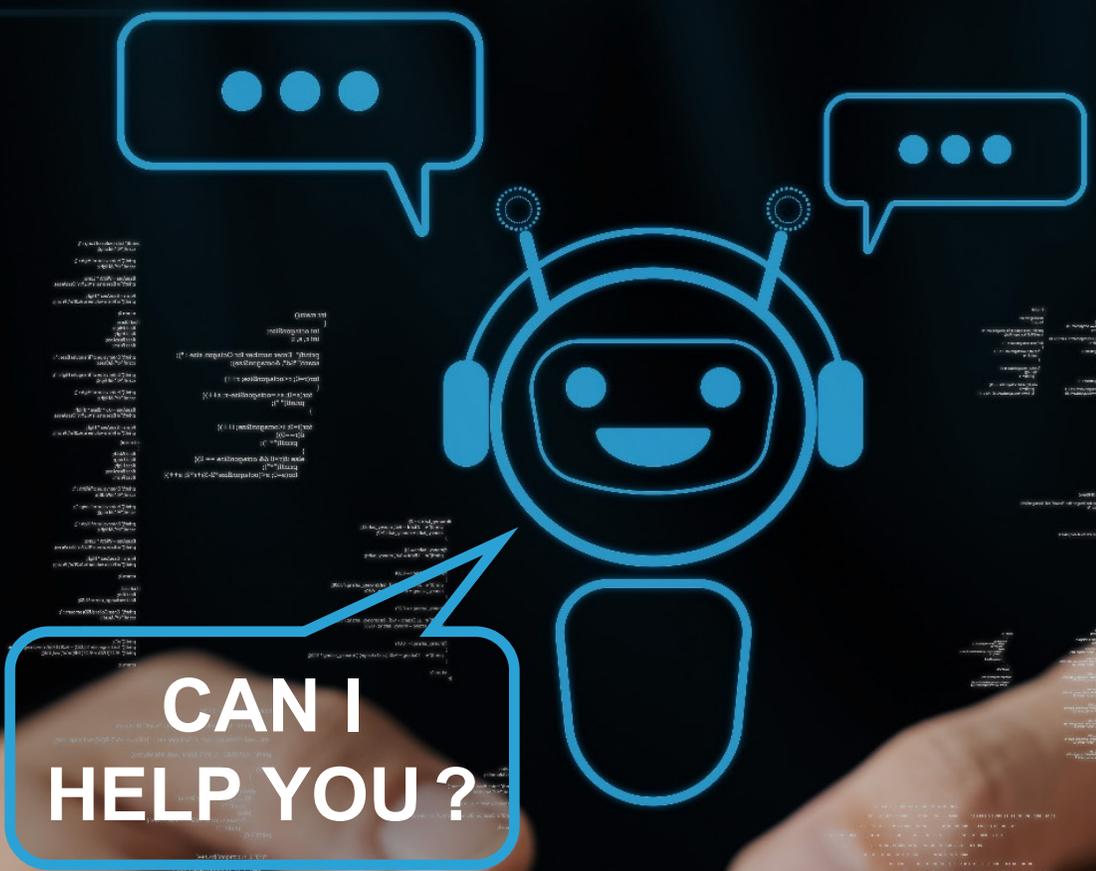
Green Transformation 

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# Artificial intelligence has become indispensable for everyday R&D

## QKnows AI

Searching scientific literature, patents and internal reports enabled by a powerful AI machine.



CAN I  
HELP YOU?

# BASF's first AI Reactor

AI-based reaction optimization achieves fully autonomously better results much faster.



# Predictive Regulatory Toolbox for Plant Protection Research

Enhancing regulatory prediction  
and decision-making in early  
research via AI.

Sustainable Agriculture 

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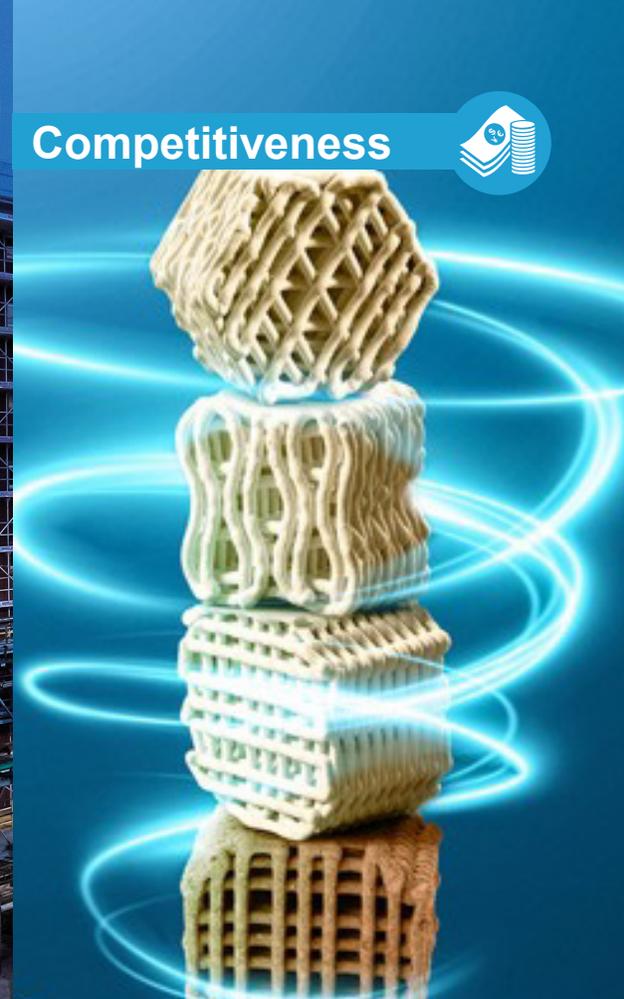


Green Transformation 



Green Transformation 

Competitiveness 



Competitiveness 



Sustainable Agriculture 

Circularity  
you can wear

Competitive hydrogen  
for the future

Rethinking catalysts

Seeds full of science

Stay tuned...



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