

# Carbon neutrality as business driver

Angelique Terrien (Procter & Gamble)

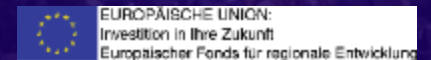
13.05.2022



**Process<sup>4</sup>  
Sustainability**

**Cluster for climate-neutral  
process industries in Hesse**

Supported by:





*Angelique Terrien*  
*PSIC Kronberg Leader*  
*Product Supply Sustainability Engineering*  
*Vice President*

“Some will fail, a lot of them will fail but we only need a reasonable number to make it though. We are faced with one of the hardest things mankind has ever done, but it’s worth doing”

*Bill Gates, Winter Davos22*



5bn

Consumers served / year

65

Leading brands

180

Countries



Product Supply  
Engineering  
enables the technology  
that makes our products  
work better for you

**76<sup>bn</sup>**  
Net Sales

**101<sup>k</sup>**  
# of employees

**145**  
nationalities

**49%**  
Managers are women



# \$1.9 billion invested in R&D in 2021



**7,000+**

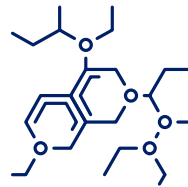
R&D employees

800 in DE



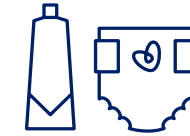
**1,000+**

Ph.D.s in 120 scientific disciplines



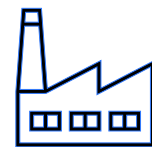
**20,000+**

active product patents worldwide



**16,400+**

active design patents worldwide

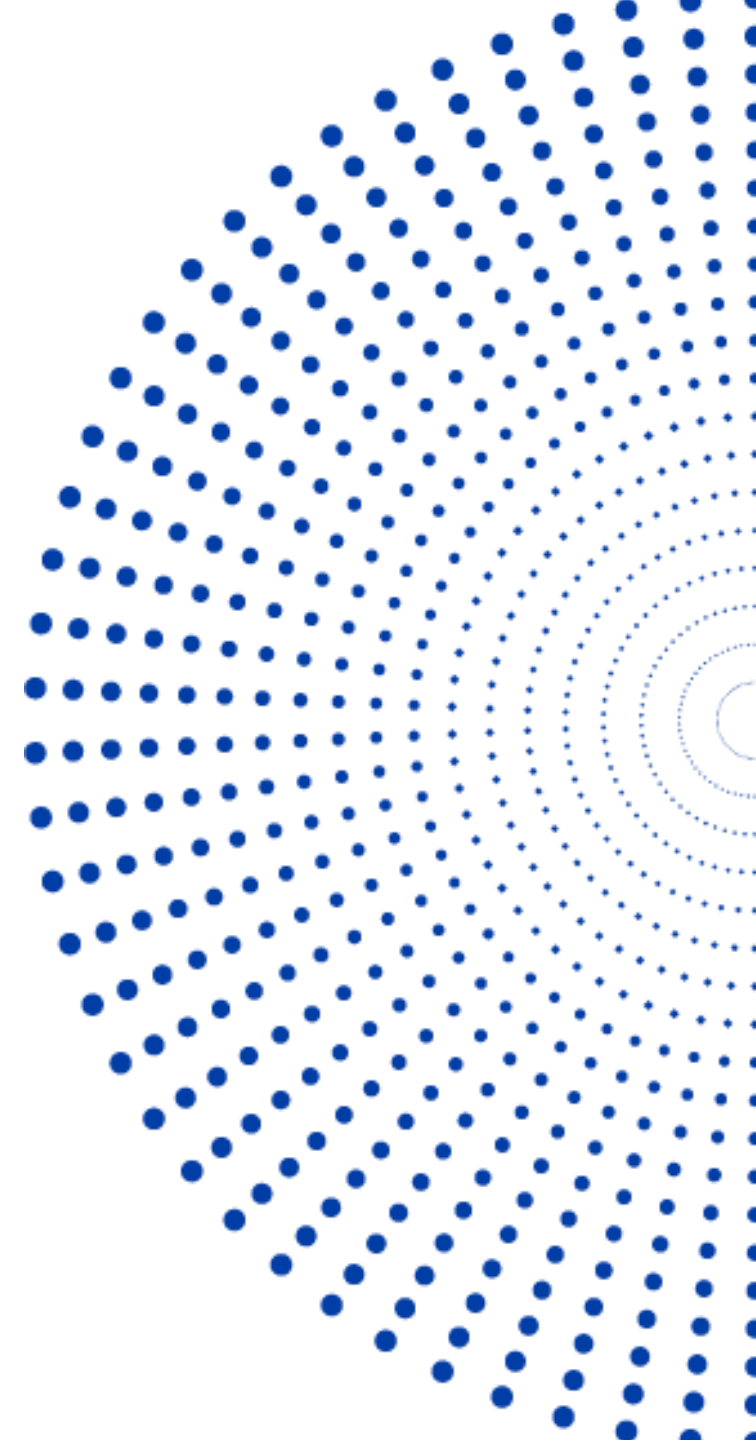


**>100**

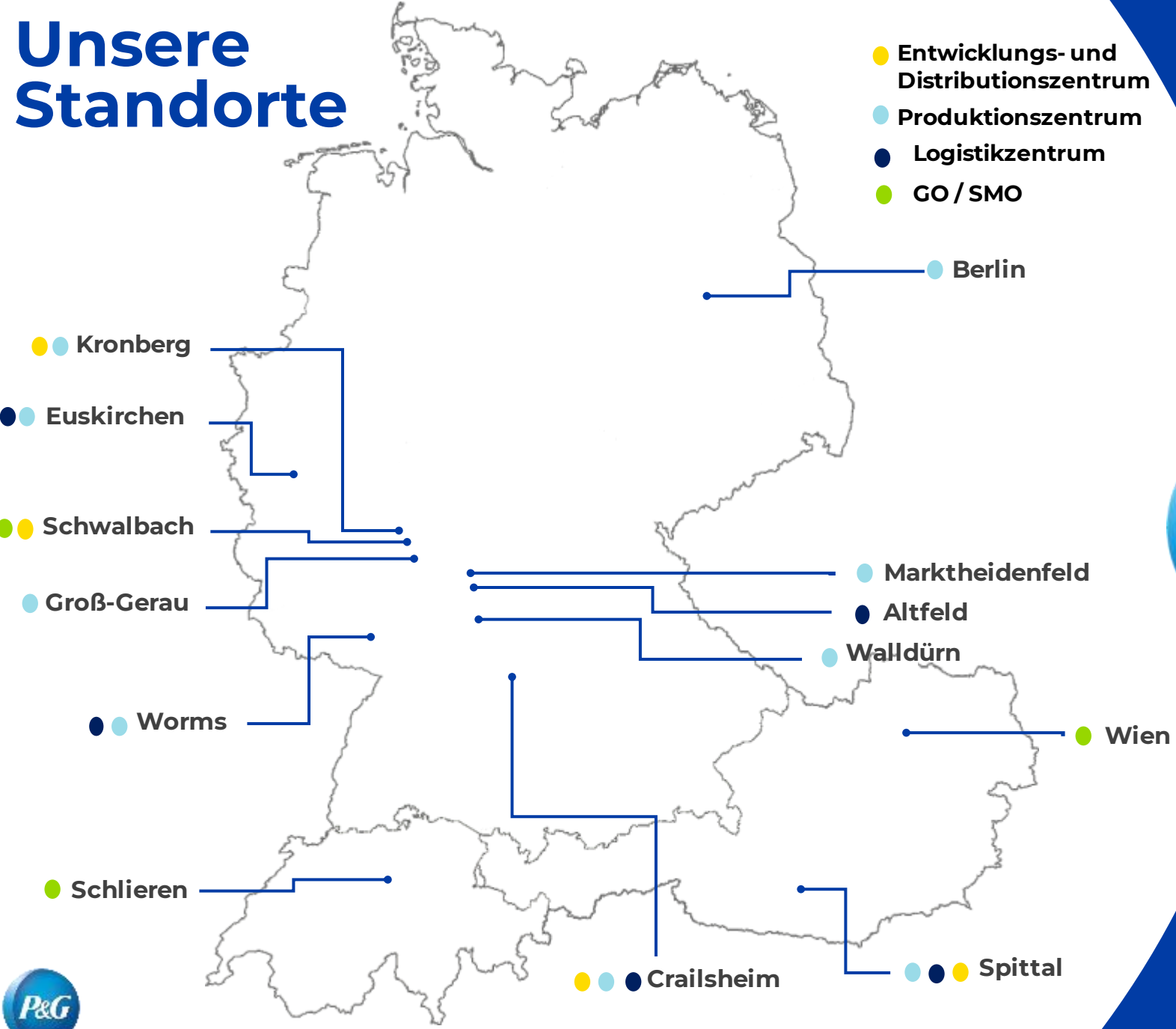
Plants globally

# >50%

of P&G innovation  
is developed with partners



# Unsere Standorte



13 Standorte

10.000 Mitarbeiter:innen

800 R&D





Product Supply  
**Engineering**  
Genius Behind Technology,  
Passion Driving Value



Smart Platforms,  
Intelligence Ops



Ambition 2030,  
Net 0 2040



**PSIC**  
CINCINNATI



**PSIC**  
KRONBERG



**PSIC**  
GUANGZHOU



**TECH HUB**  
MEXICO CITY



**TECH HUB**  
SINGAPORE





Product Supply  
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Genius Behind Technology,  
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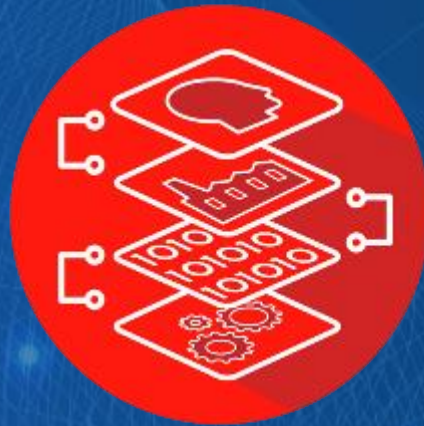
# FOCUS AREAS



**PSIC**  
**KRONBERG**



Sustainability



Intelligent Operations

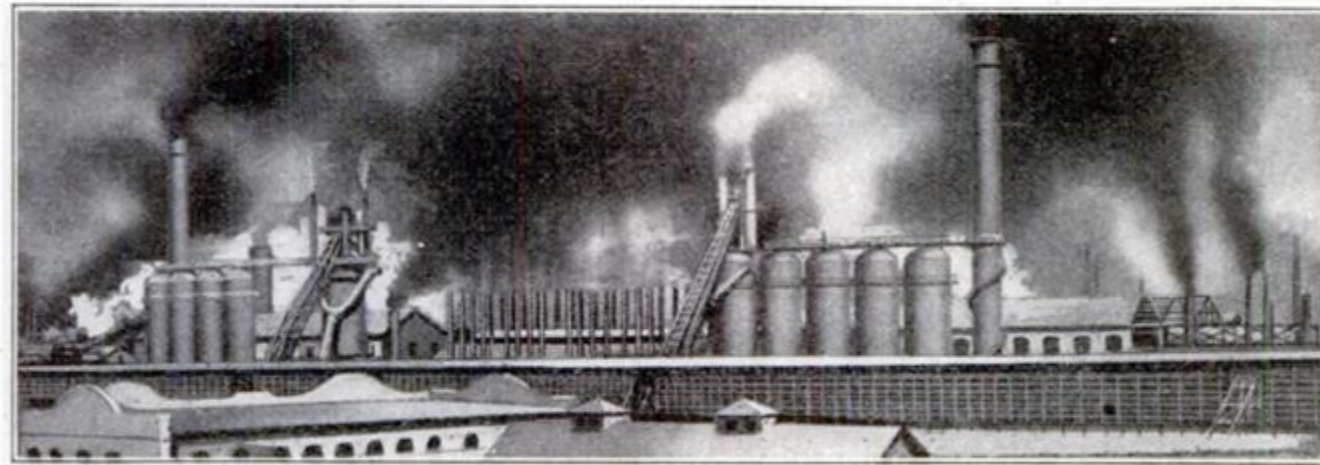


Market Operations

# Climate Urgency

POPULAR MECHANICS

341

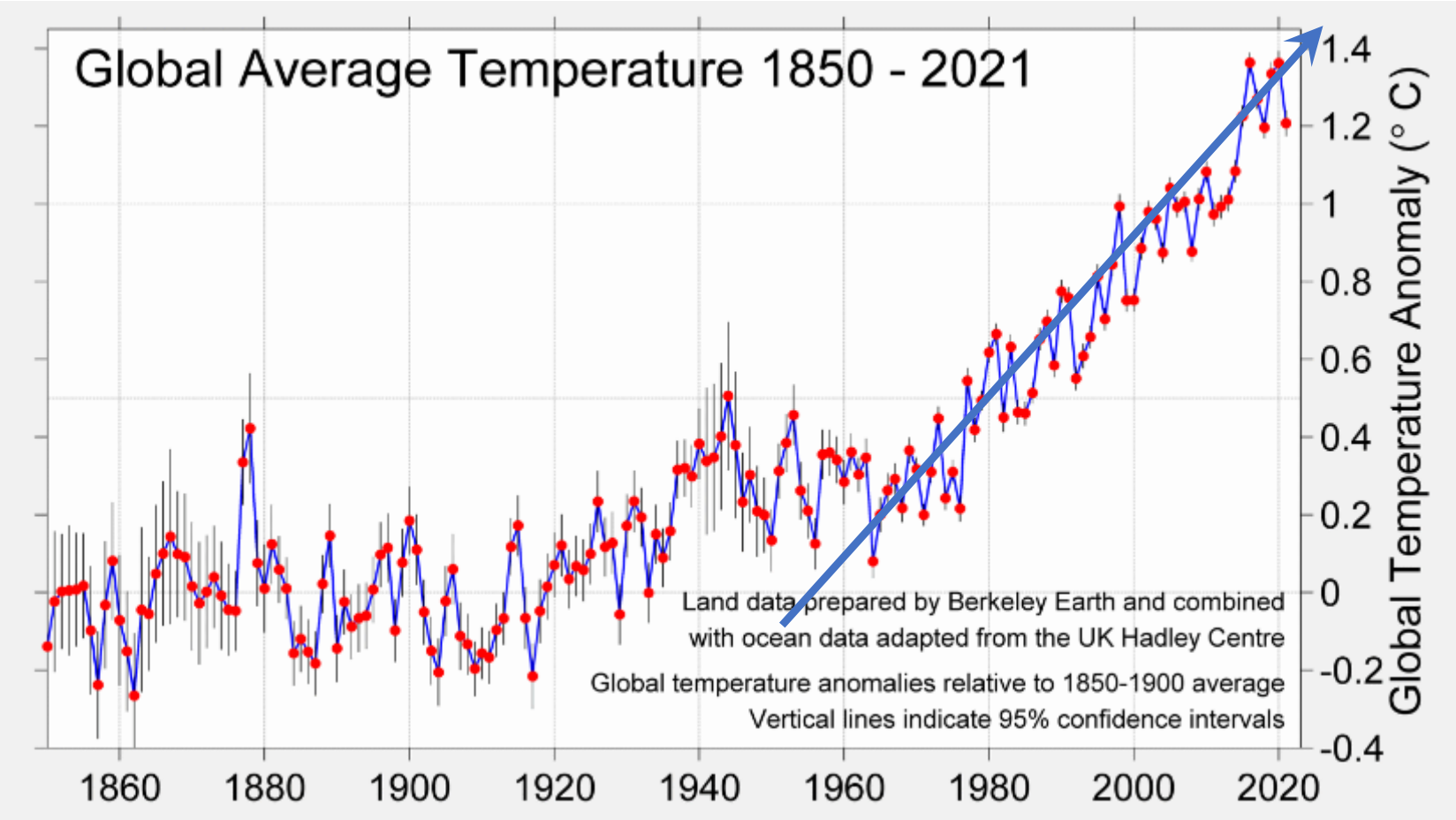


The furnaces of the world are now burning about 2,000,000,000 tons of coal a year. When this is burned, uniting with oxygen, it adds about 7,000,000,000 tons of carbon dioxide to the atmosphere yearly. This tends to make the air a more effective blanket for the earth and to raise its temperature. The effect may be considerable in a few centuries.

dreds of thousands of years; for there is no more reason now to suppose that conditions will henceforth be fixed or even steadily progressive in one direction than there would have been

uct of the combustion of coal or vegetable material, the temperature would be somewhat higher. In fact, a theory has been elaborated, primarily by the great Swedish scientist Arrhenius, that

# Climate Urgency



# Water Urgency

*Unesco UN world Water Report 2022*

- Groundwater accounts for 99% of liquid freshwater
- We have to protect Water Basin





**NET ZERO 2040**  
**IT'S OUR HOME** 

# WHAT ARE SCOPE 1,2,3 EMISSIONS?



## WHAT WE CONTROL

### SCOPE 1

DIRECT EMISSIONS OWNED OR CONTROLLED SOURCES



FUEL COMBUSTION    COMPANY VEHICLES

### SCOPE 2

INDIRECT EMISSIONS FROM PURCHASED ENERGY



PURCHASE OF ELECTRICITY OR STEAM

## WHAT WE INFLUENCE

### SCOPE 3

OTHER INDIRECT EMISSIONS THAT OCCUR IN A COMPANY'S VALUE CHAIN



USE OF SOLD PRODUCTS    WASTE DISPOSAL

Ingredients & Materials, Packaging, Transportation & Distribution, Employee Travel & Commuting, Consumer Use at Home, End of Life, Waste Disposal

# Ambition 2030 and SC Net 0 by 2040



**Net Zero supply chain is directly linked to the irresistible superiority of our products.**

To deliver our Ambition 2030 on water and GHG to 0 by 2040 across our 200+ sites, transportation and beyond, we listed all grand challenges to solve to create a menu of scalable, modular, and global solutions.

**We host a Sustainability Catalyst event in May 2022** with selected partners on solving the grand challenges on water and GHG to 0.



# Ambition 2030 Water

## REDUCING WATER USE DURING MANUFACTURING.

P&G has two overarching 2030 goals related to water use in our manufacturing facilities:

Goal	Progress through June 30, 2021
<ul style="list-style-type: none"> <li data-bbox="394 868 1235 953">➤ Increase water efficiency by 35% per unit of production vs. 2010 baseline</li> </ul>	<ul style="list-style-type: none"> <li data-bbox="1345 868 1472 901">➤ 25%</li> </ul>
<ul style="list-style-type: none"> <li data-bbox="394 979 1235 1012">➤ Source 5 billion liters of water from circular sources</li> </ul>	<ul style="list-style-type: none"> <li data-bbox="1345 979 1643 1012">➤ 3.1 Billion Liters</li> </ul>





# Net 0 GHG 2040

Goal	Progress through June 30, 2021
<ul style="list-style-type: none"> <li>➤ Reduce Scope 1 &amp; 2 GHG emissions by 50% vs. 2010 baseline*</li> </ul>	<ul style="list-style-type: none"> <li>➤ 56%</li> </ul>
<ul style="list-style-type: none"> <li>➤ Purchase 100% renewable electricity globally</li> </ul>	<ul style="list-style-type: none"> <li>➤ 98% - please click <a href="#">here</a> to learn more about our efforts on renewable electricity</li> </ul>
<ul style="list-style-type: none"> <li>➤ P&amp;G Manufacturing Facilities will be Carbon Neutral for the Decade (2020 – 2030)</li> </ul>	<ul style="list-style-type: none"> <li>➤ We continue to work with NGO partners to develop natural climate solution projects that will deliver climate benefits for both people and nature. We are making progress and will share a more detailed update in FY 21-22.</li> </ul>
<ul style="list-style-type: none"> <li>➤ Improve Global Upstream Finished Product Freight emissions by 50% (vs. 2020 baseline)</li> </ul>	<ul style="list-style-type: none"> <li>➤ New Goal – progress to be reported end of 2022.</li> </ul>
<ul style="list-style-type: none"> <li>➤ Reduce supply chain emissions from priority categories by 40% per unit of production by 2030 (vs. 2020 baseline). P&amp;G priority categories account for over 90% of P&amp;G's supply chain emissions.</li> </ul>	<ul style="list-style-type: none"> <li>➤ New Goal – progress to be reported end of 2022.</li> </ul>



 **IT'S  
OUR  
HOME** 

