



 **BASF**

We create chemistry

2022 Facts & Figures Asia Pacific

01

BASF : Overview

02

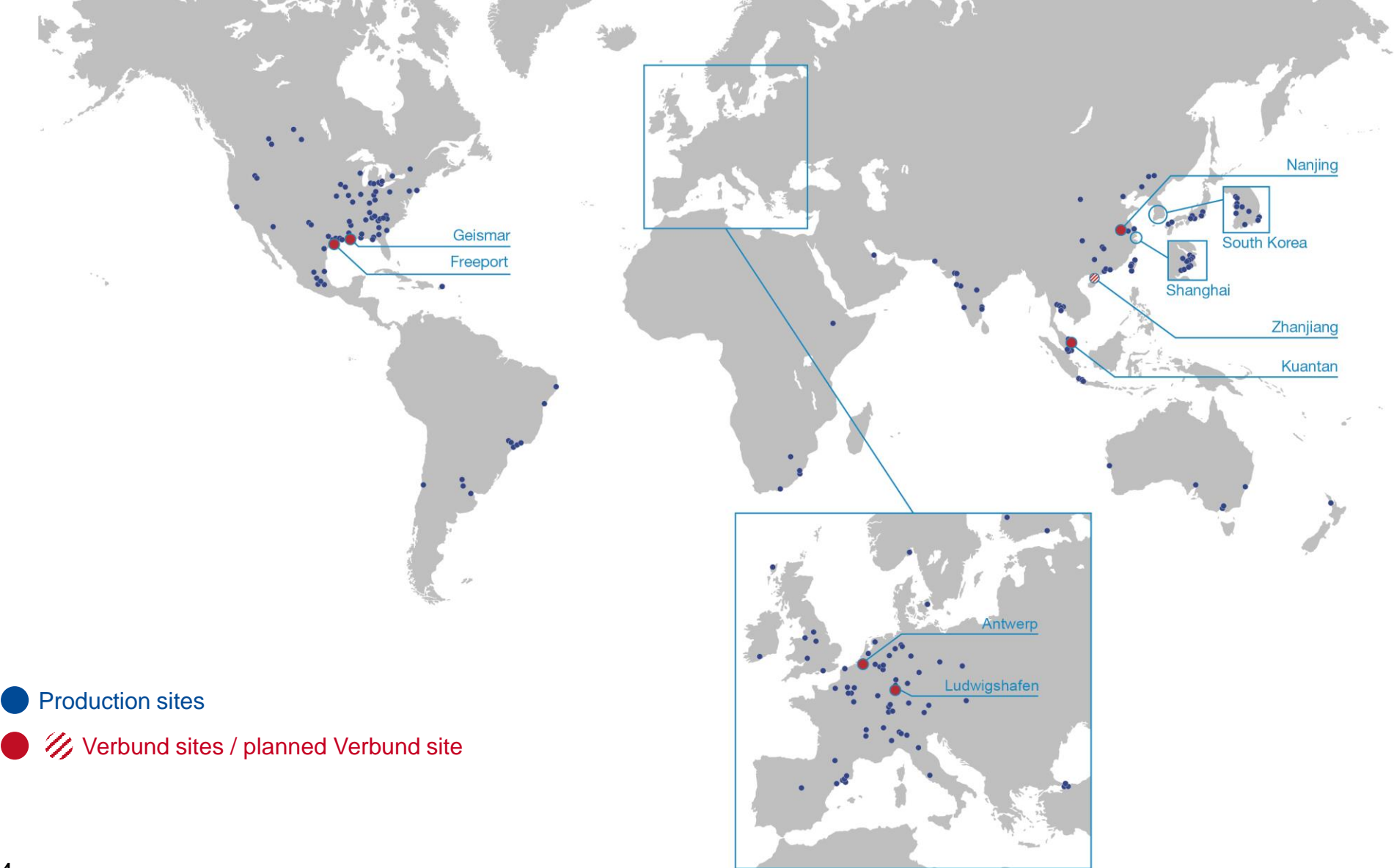
Markets and Verbund sites

BASF – We create chemistry

- Our chemistry is used in almost all industries
- We combine economic success, social responsibility and environmental protection
- Sales 2022: €87.3 billion
- EBIT before special items 2022: €6.9 billion
- Employees (as of December 31, 2022): 111,481
- 6 Verbund sites and 239 other production sites
- Around 82,000 customers from various sectors in almost every country in the world



BASF worldwide: Production and Verbund sites



BASF's segments



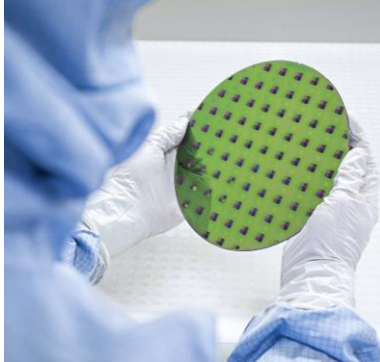
Chemicals

Petrochemicals
Intermediates



Materials

Performance Materials
Monomers



Industrial Solutions

Dispersions & Resins
Performance Chemicals



Surface Technologies

Catalysts
Coatings



Nutrition & Care

Care Chemicals
Nutrition & Health



Agricultural Solutions

Sustainability – We are shaping the transformation towards climate neutrality and a circular economy



Our target: **Net zero emissions** by **2050**.
By **2030**, we want to **reduce** greenhouse gas emissions by **25%** compared with 2018.*

- Investments of up to €4 billion by 2030
- Detailed roadmap focusing on five strategic levers

We aim at doubling our circular sales to reach **€17 billion** by **2030**.

- Recycled-based and renewable-based feedstocks
- Close and extend material loops

* Scope 1 and Scope 2 (excluding the sale of energy to third parties, including offsetting)

Innovation – new processes, technologies and products for a sustainable future

Research for future: Resource-efficient solutions and business models to decouple growth from the consumption of finite resources



Our success factors:

Customer focus, digitalization, creativity, efficiency and collaboration with external partners

Global expenditures for research and development over **€2.3 billion**, world leader in chemical industry

Approximately **10,000** employees worldwide involved in research and development

Around **1,000** new patents filed in 2022

Global Know-How Verbund with external partners

BASF Asia Pacific

At a glance



Present in **19** markets



~ **70** production sites*



20,452 employees**



~ **€21.7 billion** sales in 2022***

* Some sites are not shown due to scale. Site and office numbers refer to companies of significant size where BASF holds a stake greater than 50%.

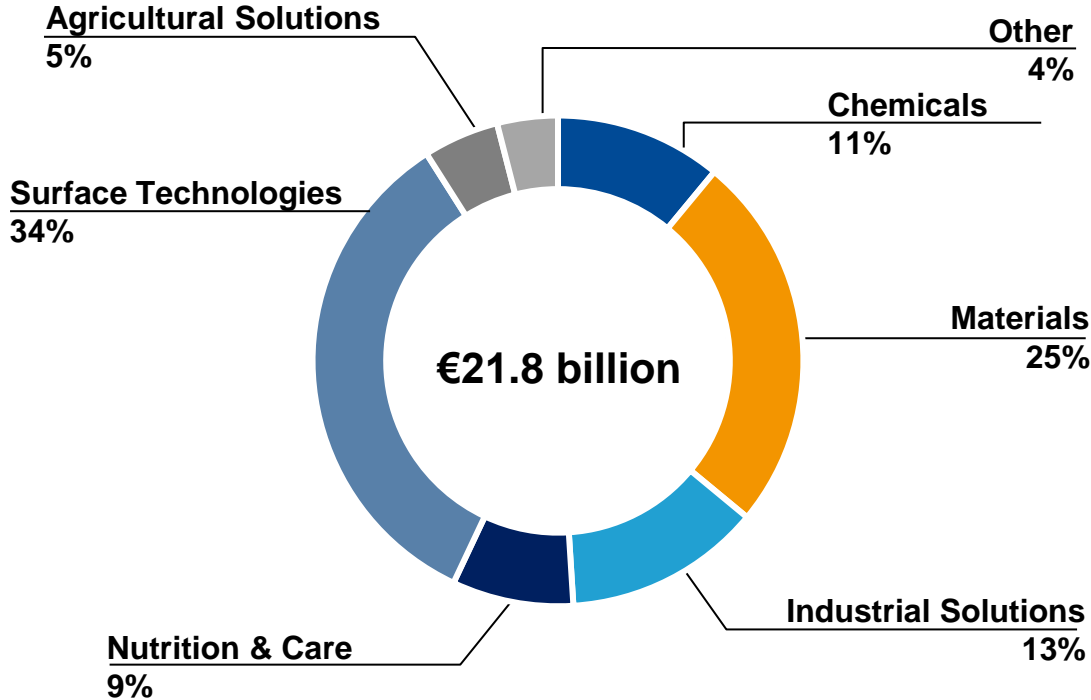
** Employee number as of December 31, 2022

*** Sales by location of customer as of December 31, 2022



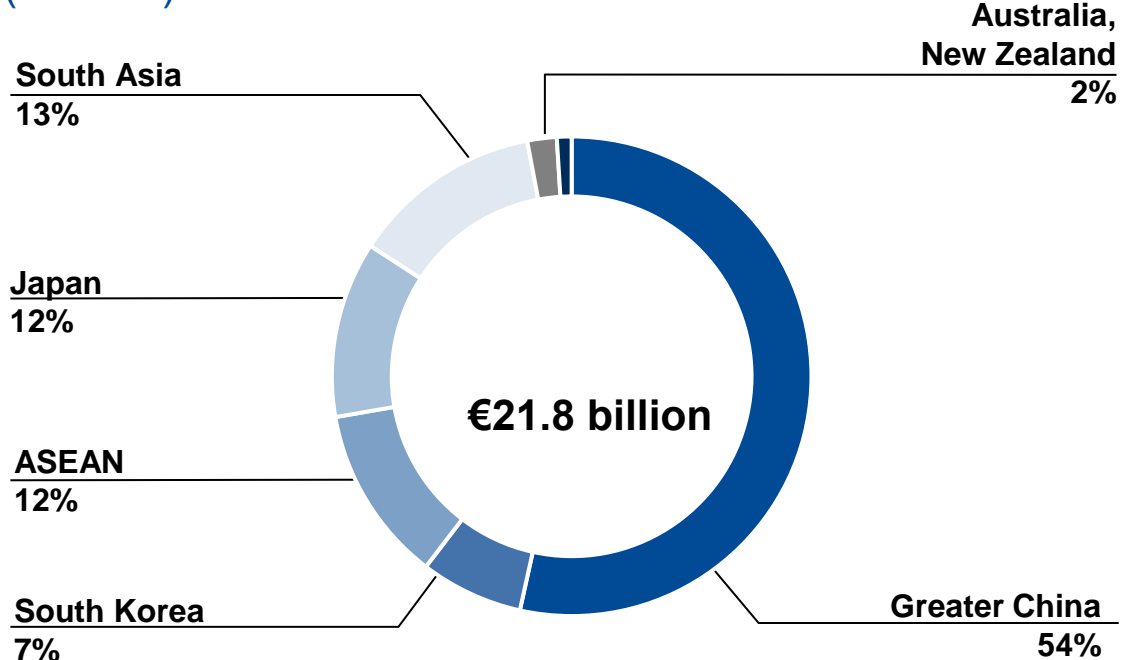
BASF Asia Pacific: 2022 sales*

Sales* by segment in 2022
(billion €)



*Sales to third parties by location of customer; figures do not include sales of joint ventures consolidated at equity such as BASF-YPC Ltd., Nanjing, China

Sales* by market in 2022
(billion €)



South Asia: India, Pakistan, Bangladesh, Sri Lanka

ASEAN: Singapore, Philippines, Vietnam, Thailand, Indonesia, Malaysia, Myanmar, Cambodia

Remark: Total percentage may not add up to 100% due to rounding

BASF in Asia Pacific: Major R&D sites



Innovation Campus, Shanghai, China



R&D for chemicals and catalysis, materials, specialty chemicals, analytics, digitalization for R&D, Creation Center, open innovation

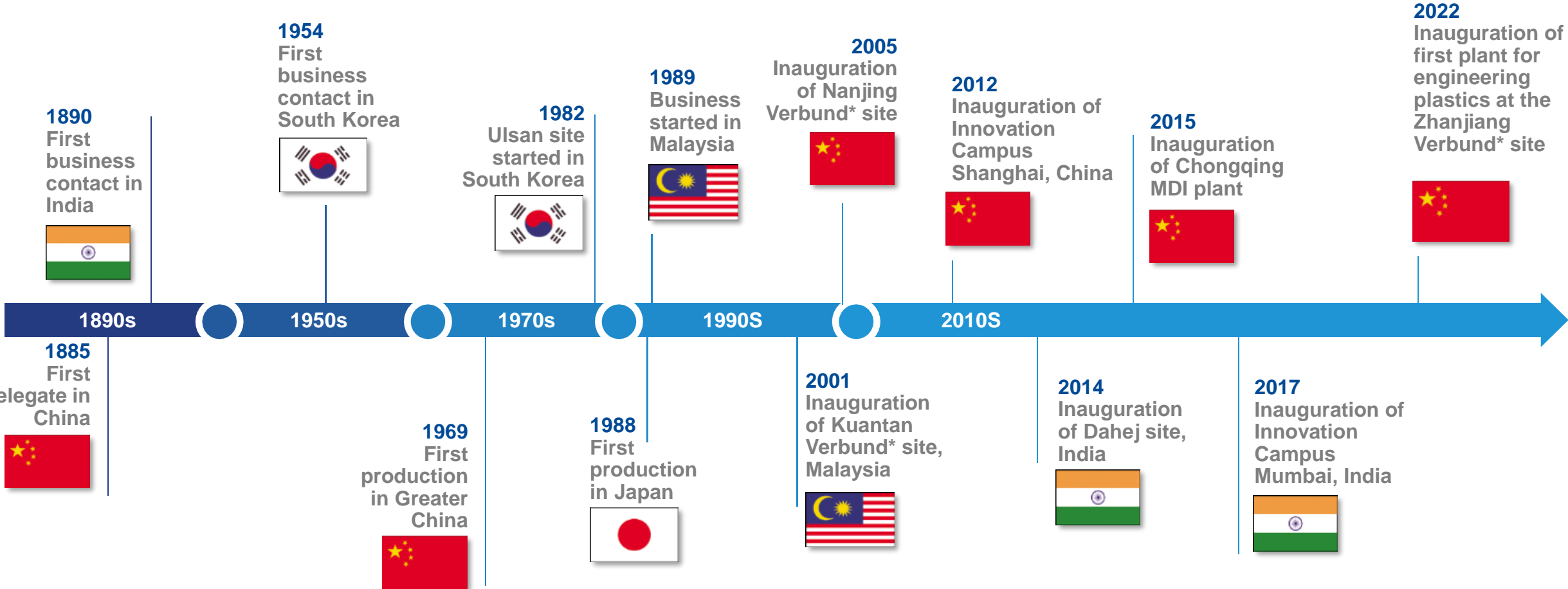


Innovation Campus Mumbai, India



Focus: Crop protection, process development, specialty chemicals, analytics, Creation Center

BASF is growing in and with Asia Pacific



*An integrated production complex where the manufacturing plants are interconnected to ensure that products, by-products and energy are used efficiently and intelligently, and that costs and environmental impact are minimized.

Greater China

Mainland China, Hong Kong, Taiwan



30 production sites*



11,411 employees**



~ €11.6 billion sales*** in 2022

* Site number as of December 31, 2022
** Employee number as of December 31, 2022
*** By location of customer as of December 31, 2022

All figures refer to BASF entities fully consolidated according to IFRS 10/11.



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South Asia

India, Pakistan, Bangladesh, Sri Lanka



1 publicly listed company



8 production sites*



2,342 employees**



~ €2.9 billion sales*** in 2022

* Site number as of December 31, 2022
** Employee number as of December 31, 2022
*** By location of customer as of December 31, 2022

All figures refer to BASF entities fully consolidated according to IFRS 10/11.



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ASEAN

Singapore, Malaysia, Indonesia, Thailand,
Vietnam, Philippines, Myanmar, Cambodia



12 production sites*



4,132 employees**



~ €2.6 billion sales*** in 2022

* Site number as of December 31, 2022
** Employee number as of December 31, 2022
*** By location of customer as of December 31, 2022

All figures refer to BASF entities fully consolidated according to IFRS 10/11.



Japan



6 production sites*



923 employees**



~ €2.6 billion sales*** in 2022

*	Site number as of December 31, 2022
**	Employee number as of December 31, 2022
***	By location of customer as of December 31, 2022

All figures refer to BASF entities fully consolidated according to IFRS 10/11.



Korea



8 production sites*



1,221 employees**



~ €1.5 billion sales*** in 2022

*	Site number as of December 31, 2022
**	Employee number as of December 31, 2022
***	By location of customer as of December 31, 2022

All figures refer to BASF entities fully consolidated according to IFRS 10/11.



Australia and New Zealand



6 production sites*



374 employees**



~ €492 million sales*** in 2022

*	Site number as of December 31, 2022
**	Employee number as of December 31, 2022
***	By location of customer as of December 31, 2022

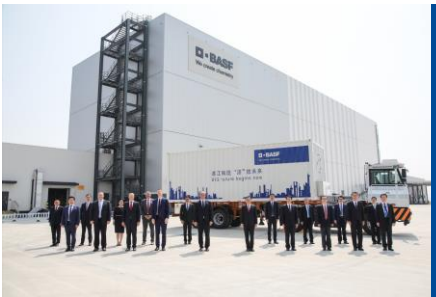
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Verbund site Zhanjiang (under construction)

- 2022**
 - September 6**
Announced the inauguration of its first plant
 - July 19**
Announced Final Investment Decision
 - May 30**
Start piling of the first plants
- 2020**
 - November 23**
Official Project Commencement
- 2019**
 - May 21**
Announced to build engineering plastics and thermoplastic polyurethanes plants as the first plants
 - April 30**
BASF Integrated Site (Guangdong) Co. Ltd. was officially founded
 - January 10**
Framework Agreement signed in Ludwigshafen
- 2018**
 - July 9**
MoU signed in Berlin



- Integrated “Verbund” site with up to €10 billion by 2030; BASF’s largest investment and ultimately BASF’s third-largest site worldwide
- Steam cracker with capacity of 1 million metric tons of ethylene per year, and downstream solutions serving growing industries such as transportation, electronics and consumer goods
- The next start-up is planned for 2023 covering a plant producing thermoplastic polyurethanes (TPU); the whole Verbund site is planned to be completed by 2030
- Most advanced Verbund site with smart manufacturing concept; environment, health and safety concept according to BASF’s global standards and local laws and regulations
- Located in Zhanjiang, Guangdong province, to be operated under the sole responsibility of BASF

Verbund Site Nanjing

Employees (BASF-YPC Company Limited)	2,113*
Site area	2.42 km ²
Sales products	~ 3 million metric tons p.a.
Road	21.8 km
Rail	4.2 km
Pipelines	457 km (outside)
Production facilities	33 production plants
Investment	5.5 billion USD



*Employee number as of December 31, 2022

Verbund Site Kuantan

**Employees (BASF-
PETRONAS Chemicals)**

909*

Site area

1.36 km², Gebeng site
0.14 km², Port Tank Farm

Sales products

~ 680,000 metric tons p.a.

Road

17km

Pipelines

450 km (outside)
30 km (inside)

Production facilities

14 production plants

Investment

Phase 1: MYR 3.4 Billion
Phase 2: MYR 2.0 Billion



**Employee number as of December 31, 2022. The data are combined 100% total from BASF PETRONAS Chemicals and 100% from Toray BASF PBT Resins, which is located at the BASF PETRONAS Chemicals site, without BASF Services.*



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