

Cautionary note regarding forward-looking statements

This presentation contains forward-looking statements. These statements are based on current estimates and projections of the Board of Executive Directors and currently available information. Forward-looking statements are not guarantees of the future developments and results outlined therein. These are dependent on a number of factors; they involve various risks and uncertainties; and they are based on assumptions that may not prove to be accurate. Such risk factors include those discussed in Opportunities and Risks on pages 158 to 166 of the BASF Report 2020. BASF does not assume any obligation to update the forward-looking statements contained in this presentation above and beyond the legal requirements.





The new Verbund site in Zhanjiang

Market environment in China

– a robust basis for growth

BASF performance in Greater

China – a proven track record

Zhanjiang – the location of our new Verbund site in South China

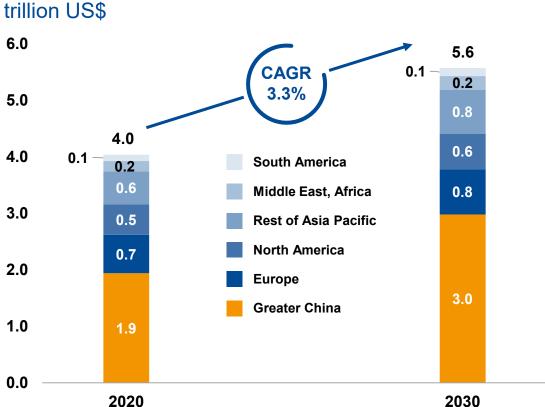
The new Verbund site – highly integrated and sustainable

Financials and key takeaways

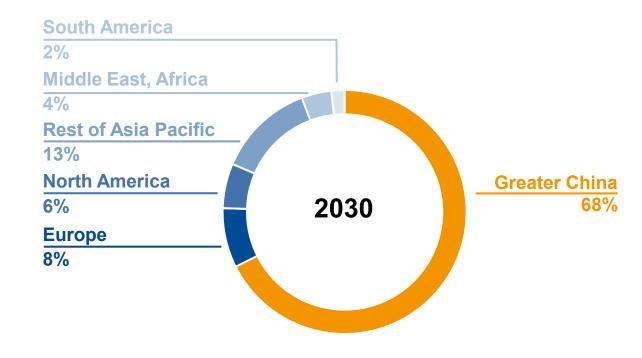


China is the major growth driver for global chemical production: Two thirds of growth will come from Greater China by 2030

Real chemical production¹



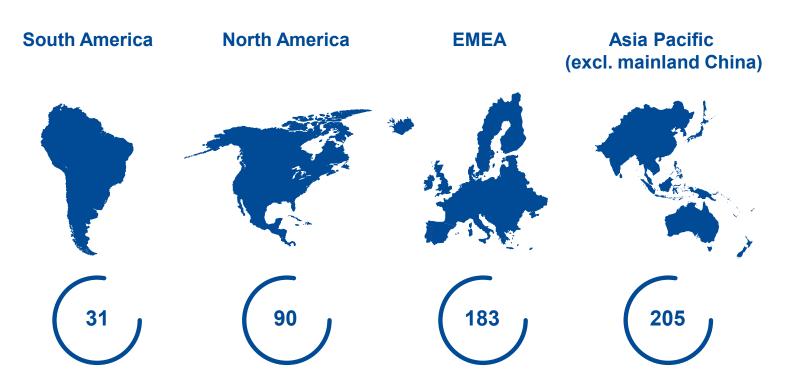
Share of absolute chemical production growth by region





The absolute growth of the chemical market in China is expected to be twice as high as in the rest of the world

Absolute growth of chemical market 2020–2030¹ billion US\$



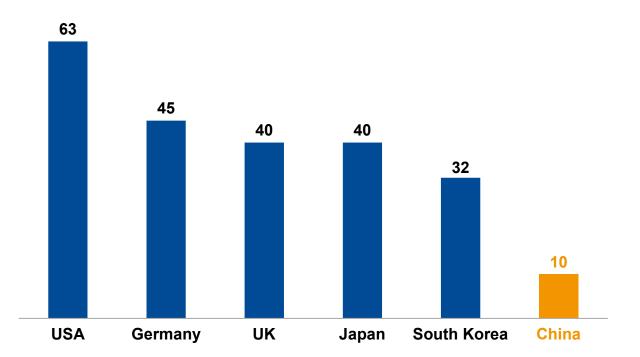




Economic drivers for long-term growth in China remain unchanged despite the impact of the pandemic

GDP per capita

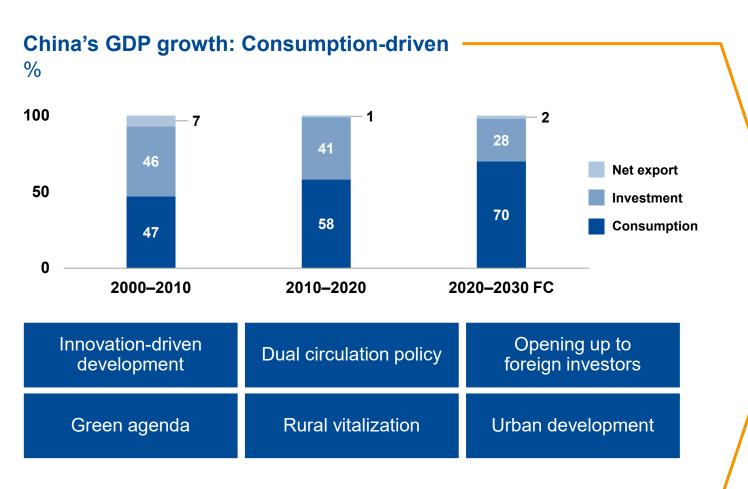
2020 estimates, thousand US\$



- China will continue to strive to achieve a per capita
 GDP level similar to advanced economies
- Continuing urbanization will drive increasing demand for durable and consumable goods
- Productivity increases will drive growth
- There will be high investments in new technologies, sustainability and high value-add industries



China's 14th five-year plan and policy initiatives add momentum to BASF's strategy implementation in China



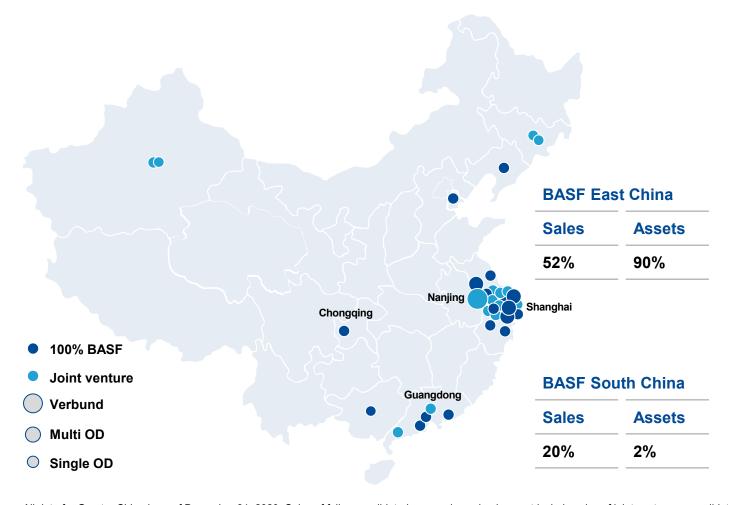
BASF is well positioned to benefit from business opportunities in China

- Customer-driven innovations
- Sustainability front-runner
- Local asset and R&D footprint
- Proven track record and strong relationships

Five-year plan: Self sufficiency and sustainability



Today, 90% of BASF's production assets are in East China, in South China the company is still under-represented



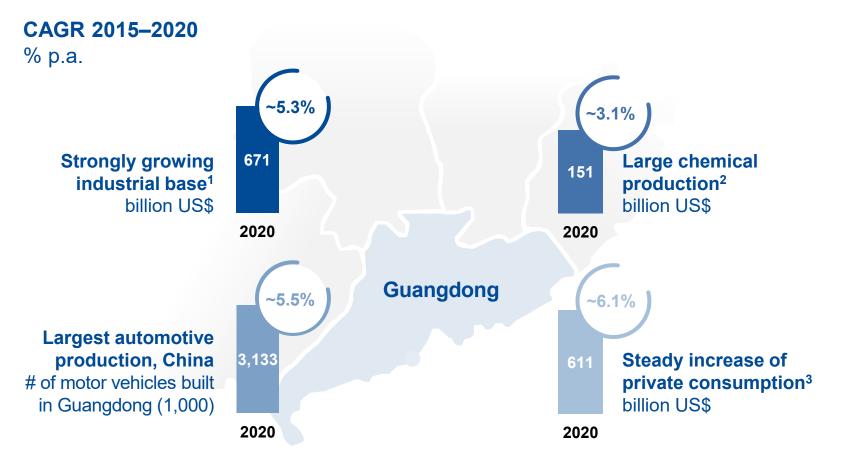
Key BASF figures in Greater China

- BASF is active in China since 1885
- Over the past 20 years, BASF has invested more than €6 billion in Greater China (more than €9 billion with partners)
- Number of companies:28 major wholly-owned, 7 major joint ventures
- Number of production sites: 27
- Number of sales offices: 24
- Number of employees: 8,948
- Sales of BASF Group companies to customers in Greater China in 2020: ~€8.5 billion

All data for Greater China is as of December 31, 2020. Sales of fully consolidated companies only; does not include sales of joint ventures consolidated at equity such as BASF-YPC Company Ltd. (BASF-YPC). EBIT before special items incl. equity contribution from BASF-YPC. Gross asset value and production capacity incl. BASF-YPC



Guangdong is home of key customers from fast-growing industries



Market characteristics

- Around 126 million residents in Guangdong province (2020)⁴
- GDP Guangdong (2020):
 ~US\$1,608 billion
 (closely trailing South Korea)
- GDP growth from 2020–2035: 5–6% p.a.
- Key customer industries: transportation, consumer goods, home and personal care, electronics
- Chemical products are generally undersupplied from local production



¹ Real value added, manufacturing Guangdong

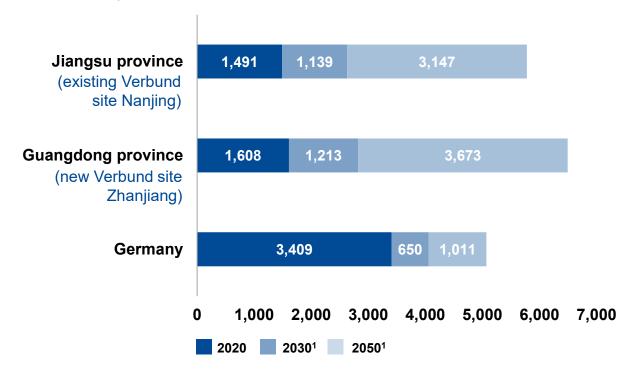
² Real chemical production Guangdong; inferred by gross output/value added ratio for China

³ Real private consumption Guangdong; IHS forecast

⁴ General Office of Shenzhen Municipal People's Government

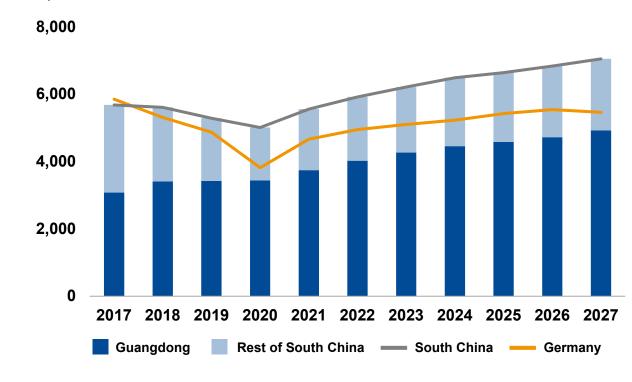
Guangdong province is the economic growth engine of China and a powerhouse of BASF's key customer industries

GDP 2020, growth until 2030 and 2050 billion US\$



By 2050, GDP of Guangdong is expected to add more than "one current Germany"

Light vehicle production in South China and Germany 1,000 units



Already today, South China produces more light vehicles than Germany



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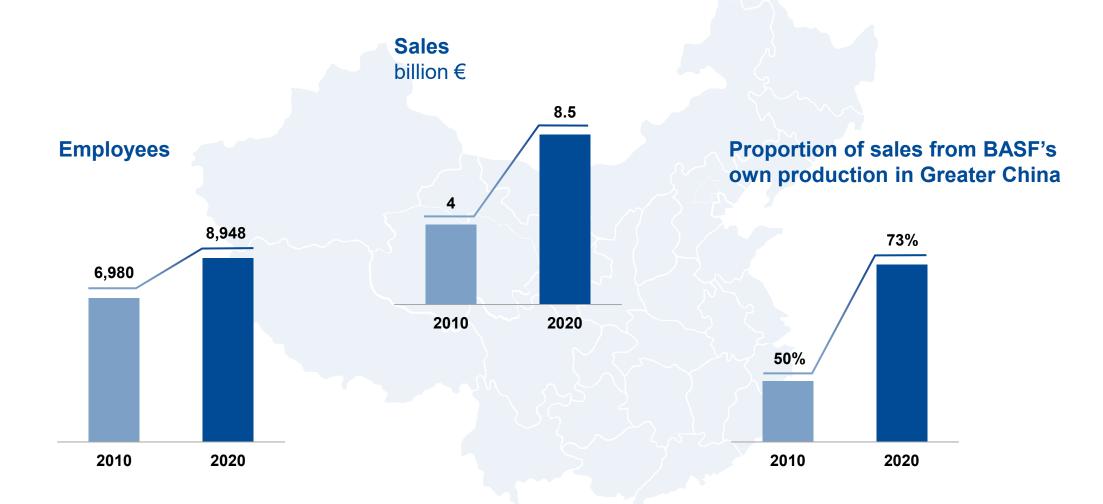
Zhanjiang – the location of our new Verbund site in South China

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Financials and key takeaways



BASF has substantially increased its presence in Greater China





BASF's Verbund site in Nanjing is a prime example of our success in China

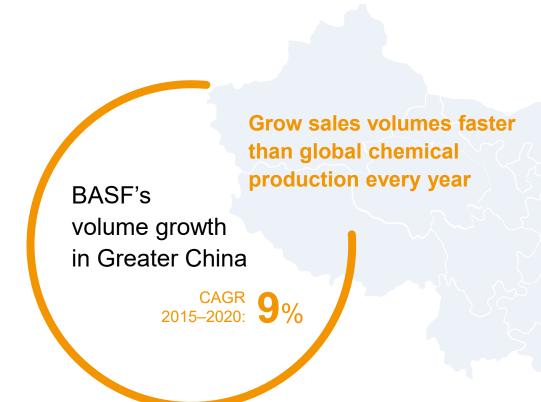


- **50:50 joint venture with Sinopec** founded in 2000, start-up in 2005, major expansions in 2011 and 2014
- Scope has continuously expanded over the years towards longer and more diversified value chains
- Third-largest BASF site, US\$5.8 billion gross investment (100%)
- Capacity: ~3 million metric tons per year; 33 production plants including steam cracker
- Strong focus on operational excellence and consistent plant maintenance resulted in best-in-class asset effectiveness
- With 23% EBITDA margin¹ BASF-YPC is one of the most profitable BASF sites



BASF's growth and profitability targets require a strong position in Greater China

Greater China is the growth engine for BASF



Increase EBITDA before special items by 3% to 5% per year

EBITDA¹ before special items growth in Greater China

CAGR **26**%

^{■ ■} BASF
We create chemistry

Restated figures due to reporting of construction chemicals as discontinued operation. Not included: BASF-YPC as BASF's share is accounted for at-equity Depicted view of mainland China



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Location in Zhanjiang enables BASF to capture long-term profitable growth in the fastest growing chemical market worldwide



- Customers: Proximity to the economic centers of China's fastest growing province Guangdong; shortest sea routes to Southeast Asia
- Excellence in production: Integrated Verbund platform, cutting edge technologies, smart solutions, deep seaport, world-class logistics
- Developing downstream value chains: BASF will focus on products that are in high demand, with options for further expansion
- Differentiating from competitors beyond products: Front-runner position in sustainability and circular economy
- Leveraging industry ecosystems: BASF will benefit from collaborations with neighbors and government incentives
- Foreign trade advantages: Guangdong province intends to set up Donghai Island as a free trade zone





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Targets and framework conditions for the new BASF Verbund site in Zhanjiang

- 100% BASF ownership of core Verbund assets
- High profitability and competitiveness through world-scale plants
- World-scale steam cracker with flexibility for major feedstocks
- Building long, multi-step and diversified value chains (C2, C3, C4)
- Deployment of smart and innovative technologies to set a new benchmark for sustainability and digitalization
- Expansion space for further investment phases



Main construction phases of the new Verbund site – stepwise approach

Initial phase on stream: 2022–2023

First downstream plants: Performance Materials for automotive and consumer industries

Engineering plastics and thermoplastic polyurethanes

Phase 1 Phase 2 start-up: as of 2025 start-up: as of 2028 Heart of the Verbund: **Verbund expansion** Petrochemicals plus further and diversification downstream plants C2 value chain **Additional** Steam C3 value chain cracker downstream plants C4 value chain Backward integrated into world-scale upstream plants to achieve Verbund synergies in downstream value chains

Key customer industries

- Transportation
- Electronics
- Consumer goods
- Health and nutrition

Production plants of the initial phase can operate without integration, while phase 1 and 2 will form the foundation for the development of the BASF Verbund site



First downstream plants are expected to be operational by 2022 and 2023







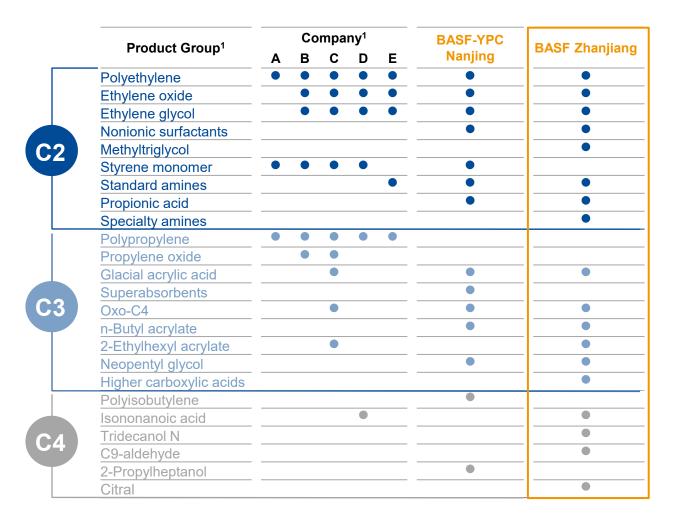


- The official start of construction began in less than two years from the signing of the Memorandum of Understanding
- The first plants will produce engineering plastics and thermoplastic polyurethanes such as
 - ▶ Ultramid[®]
 - **▶** Ultradur®
 - ► Elastollan®
- These products are in strong demand, particularly in the automotive and consumer goods industries



BASF's new Verbund site will offer a broader and more diversified downstream product portfolio than competition

South China

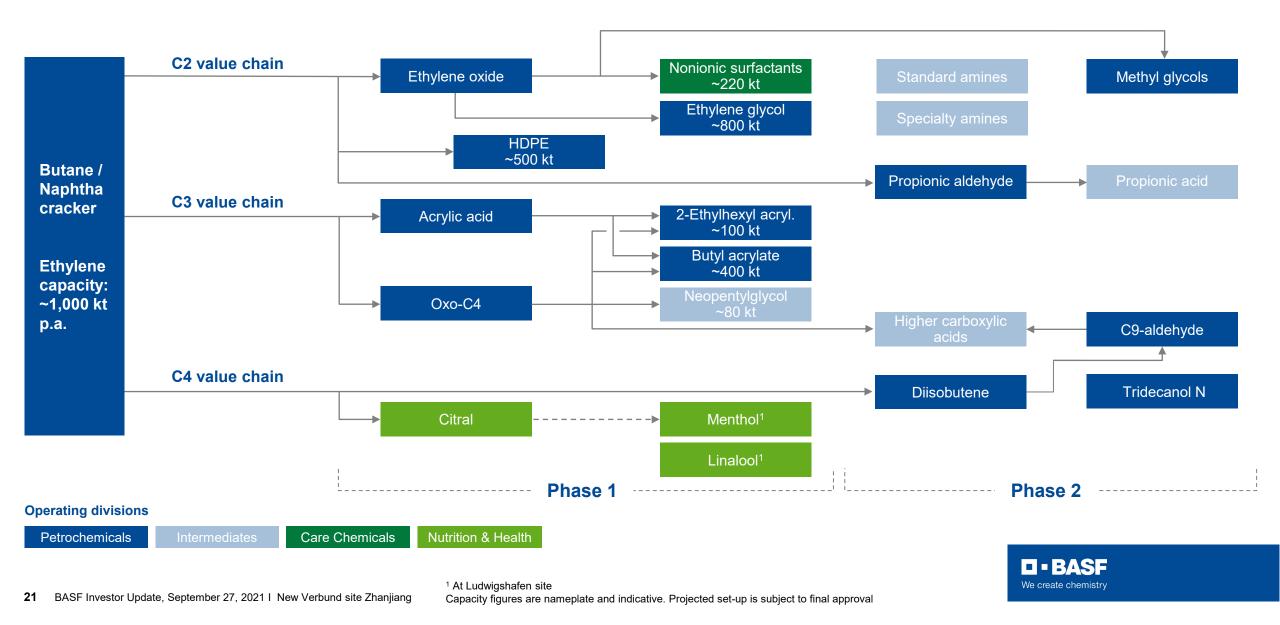




- Integrated refinery/PC complex
- Other PC production
- BASF Zhanjiang Verbund site

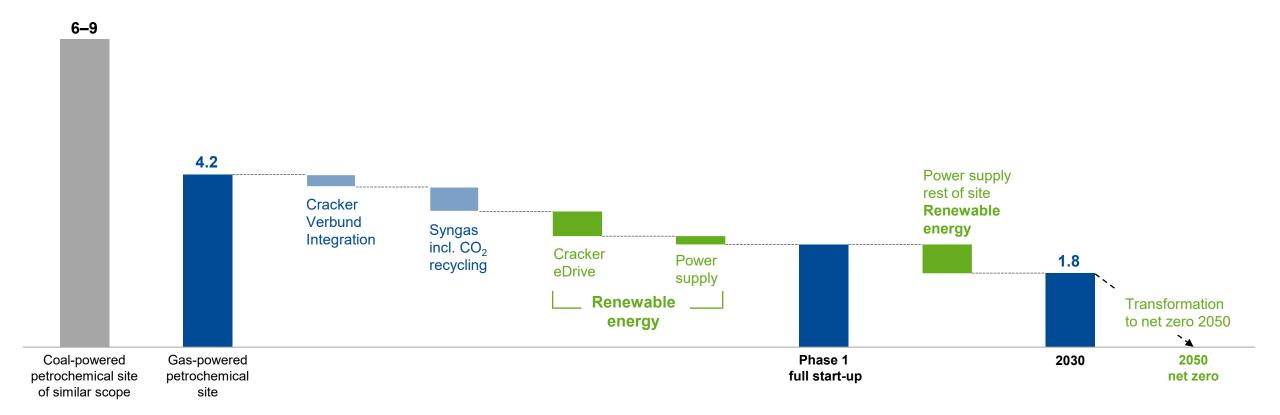


World-scale Verbund site with diversified value chains



BASF's Zhanjiang Verbund site will have the lowest projected CO₂ footprint in the world

Projected BASF CO₂ emissions of Verbund site in South China million metric tons





Our unique process concepts will significantly reduce carbon emissions compared to state-of-the-art technologies



Grey-togreen

Renewable power, instead of conventional power plant based on natural gas or coal



Power-tosteam

Electricity (eDrives), instead of steam-driven turbines for compressor machines in the cracker

- Avoids on-purpose steam production via boilers run by fossilfuel energy
- Enables equilibrium in the steam balance for the entire Verbund



New technologies

BASF Group levers

Syngas produced from CO₂ off-gas from ethylene oxide process and excess hydrogen from production



Continuous opex

Excess steam to preheat air in the cracker furnaces increasing the overall system efficiency



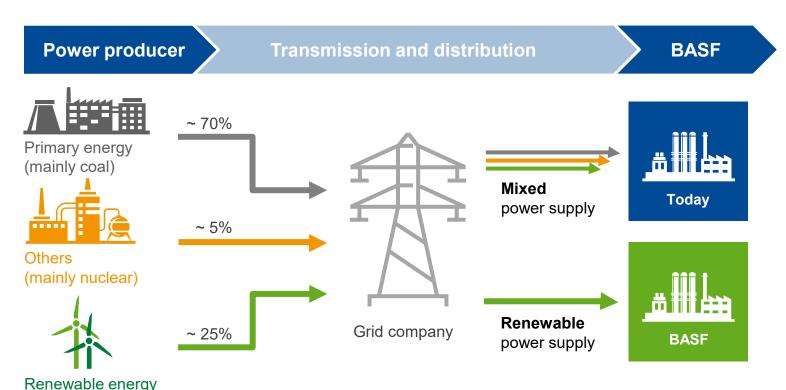
Verbund advantage

- Fuel gas released by new air preheating process as second feedstock for syngas production
- Excess gas streams as raw materials for production instead of thermal usage

Specific measures at the new Verbund site to reduce CO₂ emissions by more than 50%



CO₂ reduction via renewable direct power-purchase mechanism – an unprecedented step in Guangdong province



- Until 2020, a renewable direct power-purchase (R-DPP) policy did not exist in Guangdong
- BASF successfully unlocked R-DPP policy change in 2021 with strong government support
- Initial phase (10 MW): 100% renewable energy contracted with CR-Power
- Phase 1 and 2 (>400 MW): 100% renewable energy targeted by 2030

BASF is the first company to purchase renewable energy under the new pilot trading rules in Guangdong province



(mainly hydro, wind and photovoltaic)



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Key financials of BASF's new Verbund site in Zhanjiang

Projected key financials by 2030

€4.0–5.0 billion sales

€1.0–1.2 billion FBITDA

€8.0-10.0 billion

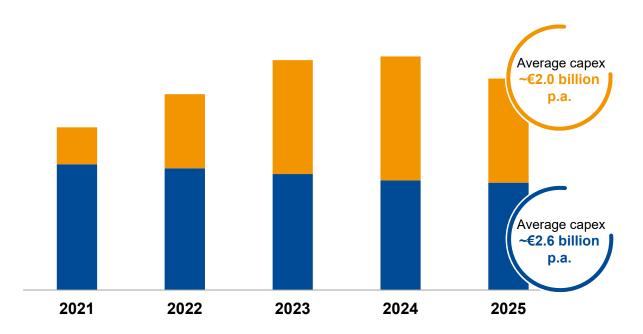
total capital expenditures (peak: 2023–2025)

- The greenfield character of the new Verbund site results in a higher share of infrastructure investments compared with a brownfield project
- Infrastructure investments will be diluted with future investments/expansions
- The new Verbund site will be BASF's key platform for long-term profitable and sustainable growth in China even beyond phase 1 and phase 2

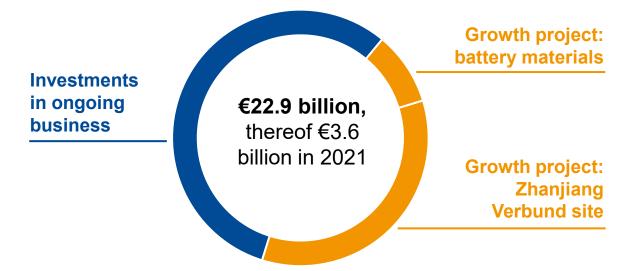


BASF Group: High capex discipline in ongoing business to support investments in growth projects

Capex budget by type of investment billion €, 2021–2025



Capex budget by type of investment billion €, 2021–2025



Growth projects: Zhanjiang Verbund site and battery materials

Investments in ongoing business



BASF's new Verbund site in Zhanjiang: Key takeaways

China's
macroeconomic
environment is
robust and develops
towards more
self-sufficiency
and sustainability

Guangdong
province is the
economic growth
engine of China
and a powerhouse
of BASF's key
customer industries

positioned to capture future growth in China by leveraging its unique Verbund know-how and longstanding relationships

track record of strong top line and earnings growth in Greater China

The new Verbund site will be a key platform for long-term profitable and sustainable growth of BASF Group



We create chemistry