Aurubis AG Metals for Progress

Hamburger Investorentage 2023

Rainer Verhoeven, CFO



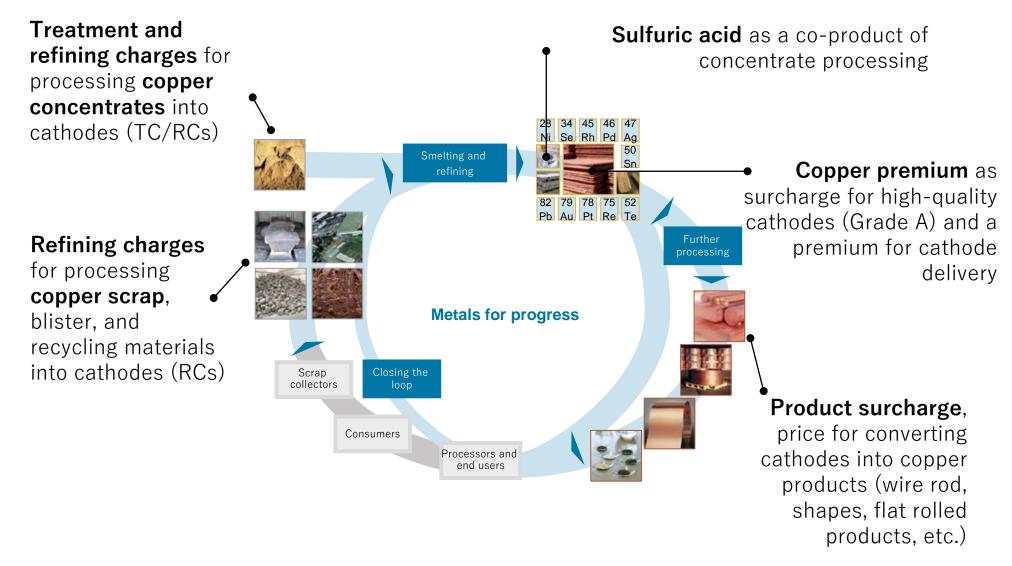


Our metals for an innovative world: Copper makes the circular economy possible





Closing the loop is part of Aurubis' integrated business model



Increased concentrate throughput and strong product demand

	FY 2021/22	Change vs. prior year
Concentrate processing ¹	2,429,000 t	+8 %
Copper scrap/ blister copper input ²	540,000 t	-1 %
Other recycling materials ²	524,000 t	-3 %
Cathode output	1,111,000 t	+-0 %
Continuous cast wire rod output	880,000 t	+1 %
Copper shapes output	218,000 t	+17 %
Flat rolled products + specialty wire output	176,000 t	-8 %
Sulfuric acid output	2,296,000 t	+9 %

	FY 2021/22	Change vs. prior year
Gold	47 t	-8 %
Silver	911 t	-4 %
Lead	44,016 t	+8 %
Nickel	3,863 t	-1 %
Tin	9,340 t	-7 %
Zinc	13,917 t	-24 %
Minor metals	867 t	-11 %
Platinum group metals (PGMs)	9,514 kg	+9 %

¹ Custom smelter production ² Prior-year figures adjusted

Executive summary of first 9 months 2022/23

Operating EBT 9M 2022/23 of

€ 406 million (PY: € 426 million)¹

ROCE

15.1 % (PY: 17.1 %)¹

Aurubis' positive development continues with strong nine-month figures for FY 2022/23 at the very high level of the previous year

Good concentrate markets; the increased cathode premium and high wire rod demand led to very good Q3 2022/23 figures, despite a lower metal result and lower sulfuric acid revenues. Lower energy costs due to a drop in gas and electricity prices, active energy management, and an insurance payout with positive impact on Q3 results

Net cash flow

€ 73 million (PY: € 11 million) ¹

Forecast FY 2022/23

€ 450–550 million

op. EBT

Operating ROCE lower due to temporarily high inventories and high investment payments for realizing our growth strategy, but still slightly above targeted level

Maintenance shutdown in Pirdop very well executed in budget and on time, ongoing stable operating performance at our primary smelter in Hamburg

Net cash flow improved with inventories remaining high due to the shutdown in Bulgaria – inventories will be released during Q4 of FY 2022/23

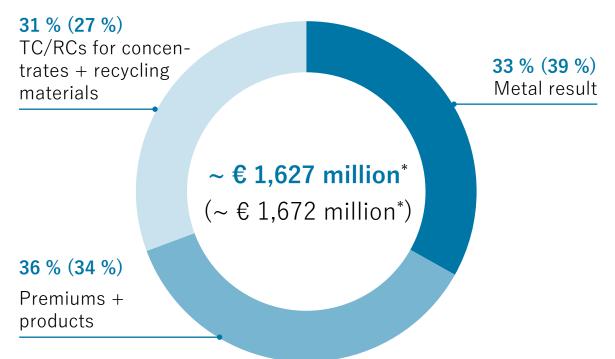
¹ Prior-vear figures adjusted



Aurubis confirms forecast range of € 450–550 million operating EBT for FY 2022/23

Gross margin at prior-year level

Breakdown of income components in the Aurubis Group 9M 2022/23 YTD (YTD prior-year figures)

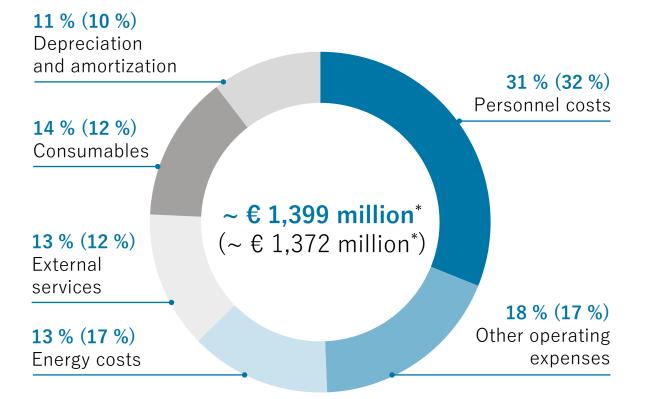


^{*} Gross margin = Total of the earnings components metal result, treatment and refining charges for concentrates + recycling materials, and premiums + products



Overview of Group costs – energy costs reduced

Overview of cost/expense positions 9M 2022/23 YTD (YTD prior-year figures)



^{*} Figures adjusted by energy compensation and hedging transactions





FY 2022/23 guidance

Our forecast range

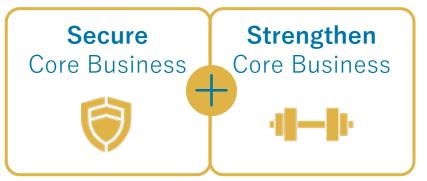
Operating **EBT**between € 450 million
and € 550 million

Operating ROCE between 14 % and 18 %

	Operating EBT in € million	Operating ROCE in %
Group	450–550	14–18
Multimetal Recycling	110–170	13–17
Custom Smelting & Products	390–450	18–22



Our strategy builds on the sound mission of Aurubis and covers all relevant aspects to drive sustainable growth







Industry Leadership in Sustainability

Enablers _

- Digitalization, automation, and "Plant of the Future"
- Strategic resource management, talent and personnel development





It is our mission to responsibly transform raw materials into metals for an innovative and sustainable world.

Growth strategy: CAPEX and EBITDA impact increase significantly

Short term

Currently approved

Growth capex ~€ 1,150 million approved

Key projects Aurubis Richmond Module 1 & 2, Tankhouse Pirdop, CRH, BOB, ASPA, Industrial Heat II, PV 2&3 Pirdop

EBITDA of ~€ 260 million starting 2026/27, thereof ~€ 170 million from Aurubis Richmond

Medium term

Medium-term planning (next 4 years)

Growth capex ~€ 280 million is included in the medium-term planning

EBITDA ~€ 70 million in addition from planned strategic projects

Additional strategic projects, e.g., the modular recycling system (€ 250–300 million capex)/battery recycling, not yet included but are actively pursued

Long term
Until 2030

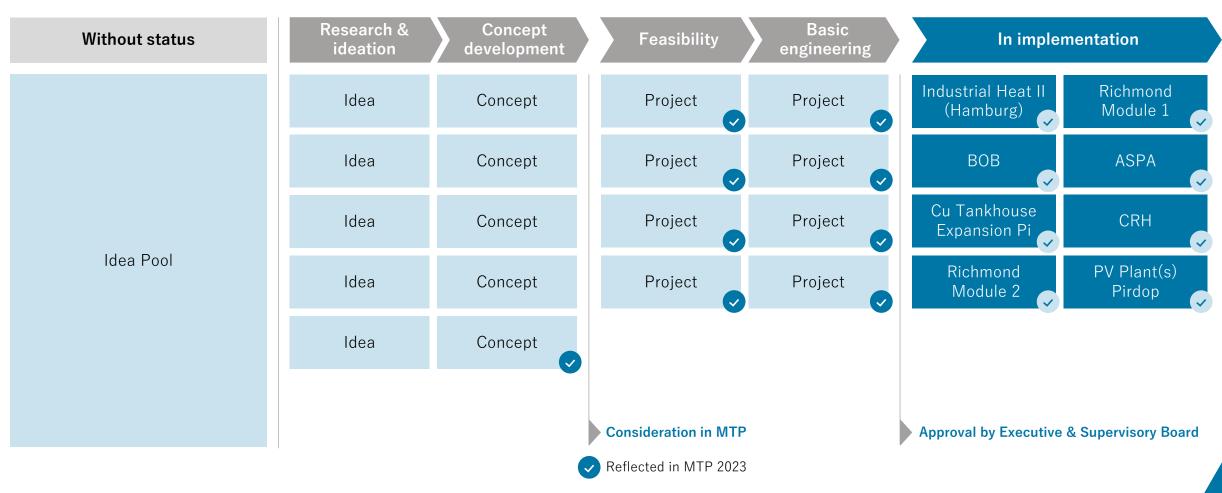
Ambition and scale of our long-term growth and project plans remain at a high level

All capex projects are subject to a sustainability assessment (especially CO₂ contribution)

Battery recycling remains a priority growth area

Strong pipeline features advanced projects included in medium-term planning, plus wealth of nascent concepts to drive sustainable growth

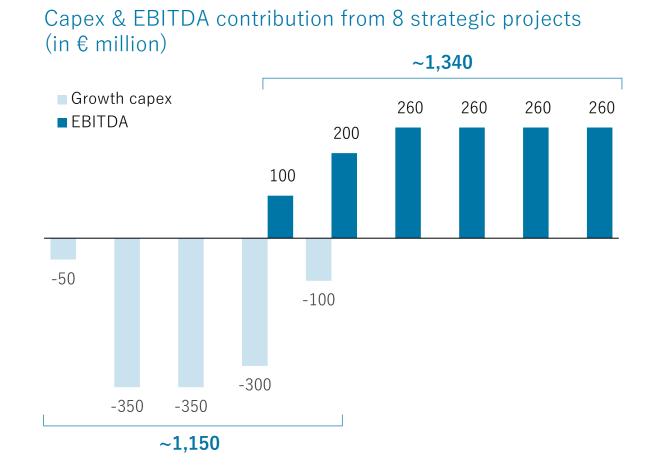
Strategic projects from development to implementation



Accumulated EBITDA to rapidly overcompensate investments

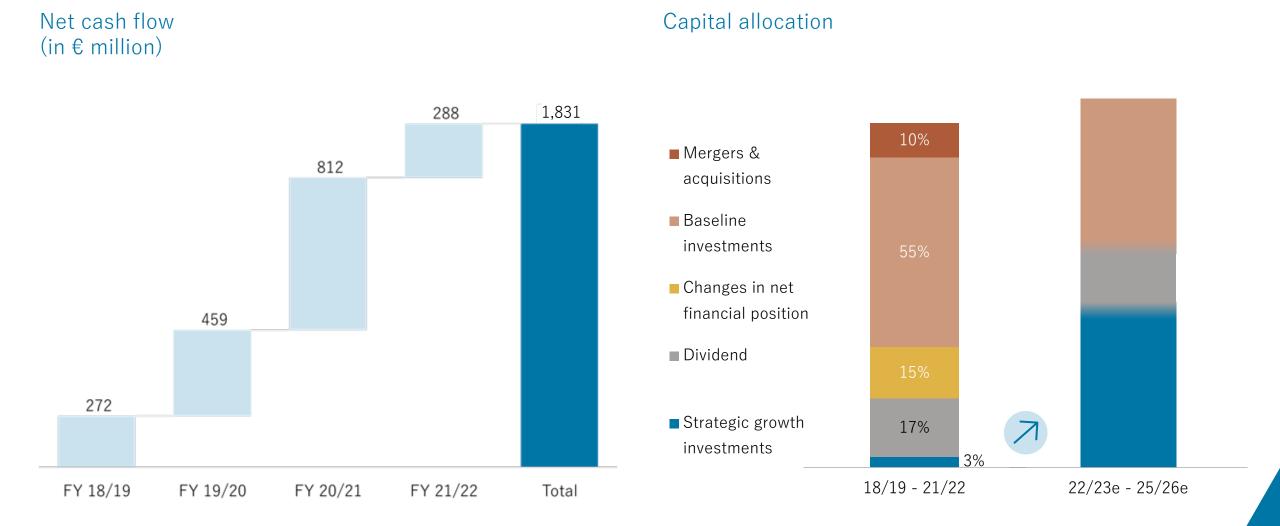
Growth investments to be translated into profits

- Investing around € 1.1 billion in strategic growth options
- Rapid payback: accumulated EBITDA of € 1.3 billion overcompensates investments as soon as 2030
- Projects will be financed largely from own resources; current debt coverage offers additional headroom
- Balance sheet to become highly supportive for our EBITDA growth ambitions



21/22 22/23e 23/24e 24/25e 25/26e 26/27e 27/28e 28/29e 29/30e

Capital allocation will focus substantially on strategic growth investments



Growth options Aurubis Richmond, US – construction work is progressing





Aurubis Richmond – the leading processor of electric and electronic recycling materials in the US



Investment

~ € 640 million

EBITDA p.a.

~ € 80 million (by 2025/26)

~ € 170 million
(by 2026/27)

Start of production following ramp-up phase

Module 1: **2024**

Module 2: **2026**

~ 180,000 t

~ 70,000 t

blister copper output



Aurubis Richmond complements and expands our international integrated smelter network with a highly attractive investment in a promising growth market.

The total investment includes additional infrastructure investments and inflation.

Aurubis Richmond establishes us as the front-runner in the US recycling market – tied directly to our strength, innovative expertise, industry-leading metallurgical processes and flexible applications.

With this, Aurubis will become the leading processor of electrical and electronic scrap in the US, by doubling the throughput capacity and output.

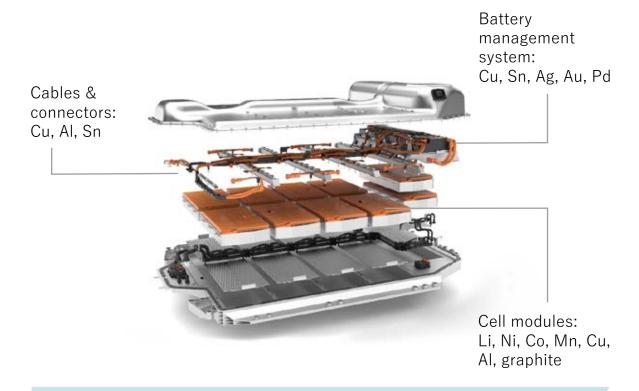
In total ~200 new jobs.



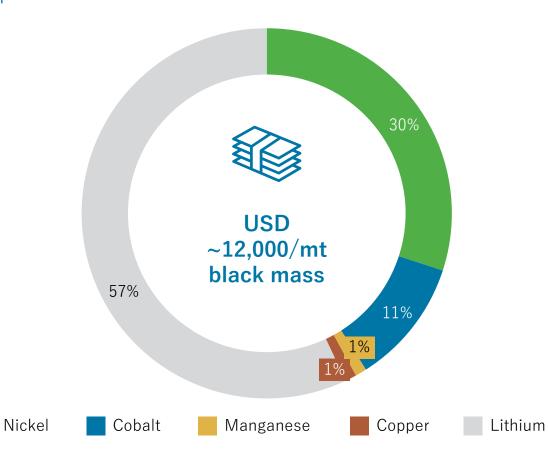
Project strengthens the circular economy and underlines Aurubis' ambition to strengthen and expand our position as the most efficient integrated smelter network worldwide

Lithium-ion batteries – exceptional value hidden in complex products, complex recycling material

Batteries are complex scraps that are of huge value



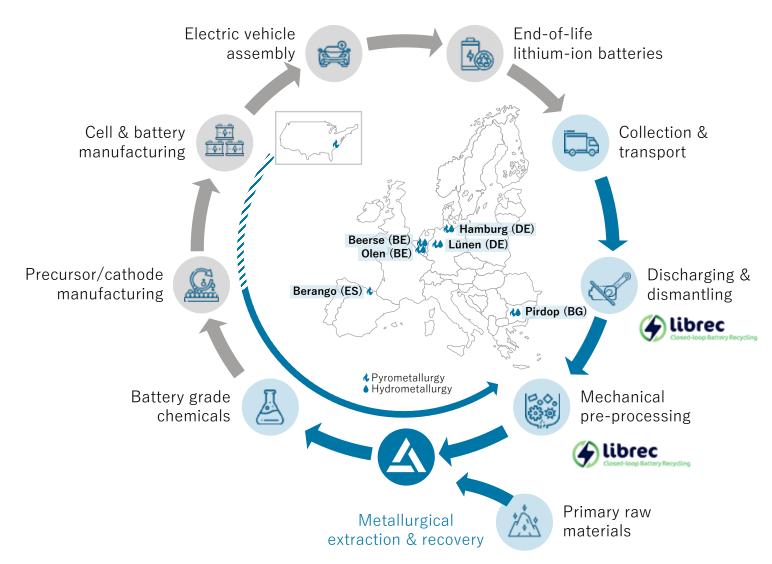
As the metal value in black mass is very high, capabilities to recover the value are essential



Average black mass content: ~40 %

Source: BMW Group Source: Aurubis, Roland Berger, LME

Our sweet spot in the battery recycling value chain is based on Aurubis' core expertise



We are developing a fully-fledged battery recycling supply and value chain

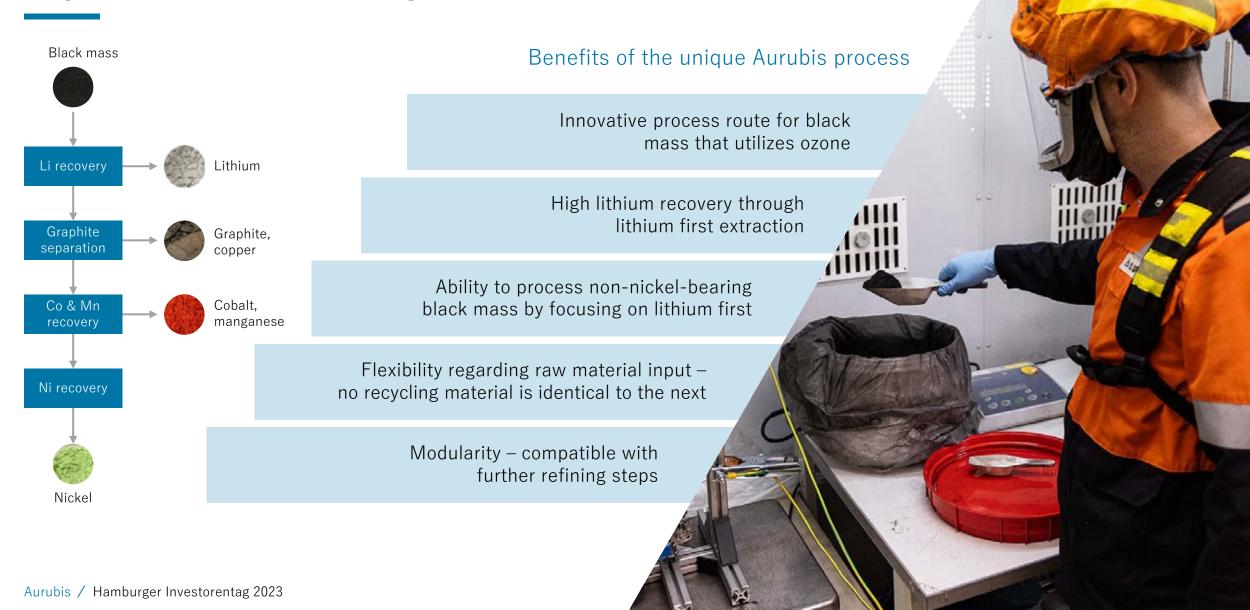
First steps taken with Librec, a specialist company in Switzerland, to optimize metallurgy vis-à-vis pretreatment

Further existing partners with core expertise in recycling to cover the production of black mass

Aurubis' integrated smelter network offers unique benefits

Downstream: intensive partnership discussions with experts in chemicals production to close the loop in battery metals

Our innovative process for black mass leverages capabilities of our integrated smelter network



In line with projected market growth, Aurubis could enter the commercial market in the second half of this decade





Source: Rhomotion, Q2 2023

Industrial scale commercialization foreseen for 2026/27

Our KPIs underline our sustainability ambitions and demonstrate momentum

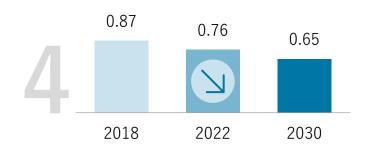




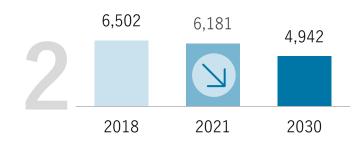


Metal emissions to water

(in g per t of multimetal Cu equivalent)²

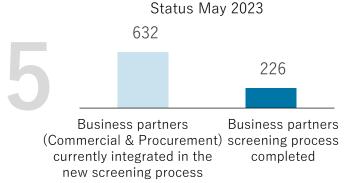


Scope 3 CO_2 emissions (in kt)¹



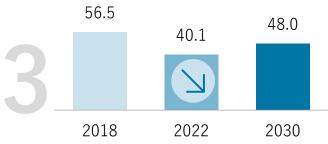
Supply chain integrity

For all identified High Risk Business Partners we implemented action plans. This has reduced our Business Partne risk.³



Air emissions (dust)

(in g per t of multimetal Cu equivalent)²



Recycling content (Cu)

Recycling share of Cu cathodes (in %)



20

¹ Assumed steady copper cathode production until target year (physical intensity target)

² Multimetal Cu equivalent: total metal produced at Aurubis smelters (Cu, Zn, Ni, Pb, Sn, Au, Pd, Pt, Ag, Rh, Se, Te) x weight factors

³ Aurubis is introducing a revised and uniform Business Partner Screening system in FY 2022/23, in which we bundle the requirements of the various regulations, standards, and initiatives.

Leading the way with life cycle assessments – and substantially lower carbon footprints than industry averages





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Source: International Copper Association 2019, Aurubis LCA 2021

Aurubis continuously pursues better energy efficiency: lowering costs, improving CO₂ footprint

The Copper Mark certification demonstrates our leadership in sustainable production practices



The Copper Mark launched for copper producers in March 2020



Focus on steady improvement of the sector's production practices



Aurubis Olen certification expected shortly

RESPONSIBLY

PRODUCED COPPER



Basis: UN SDGs & Risk Readiness Assessment



Joint Due Diligence Standard enables effective due diligence



Review of 32 sustainability criteria



Aurubis Bulgaria, Hamburg, and Lünen already certified for meeting The Copper Mark's requirements



The copper value chain can be sustainable – promoting and driving this industry initiative demonstrates our responsibility and growing momentum for a more sustainable product.

Thank you for your participation.

For further questions, contact: IR@aurubis.com





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Aurubis at a glance

Based in Hamburg, Aurubis AG develops its leading market position with a responsible approach to the environment, people, and resources



The company's main expertise is in optimally processing concentrates and recycling raw materials with complex qualities

Metallurgical know-how,
state-of-the-art plant facilities,
and extraordinarily high
environmental standards for
the sector make Aurubis an
attractive partner for raw
material suppliers



The company, which was founded in 1866 as Norddeutsche Affinerie AG, is listed in the MDAX and produces more than 1 million t of copper cathodes and various copper products from them with about 7,100 employees worldwide





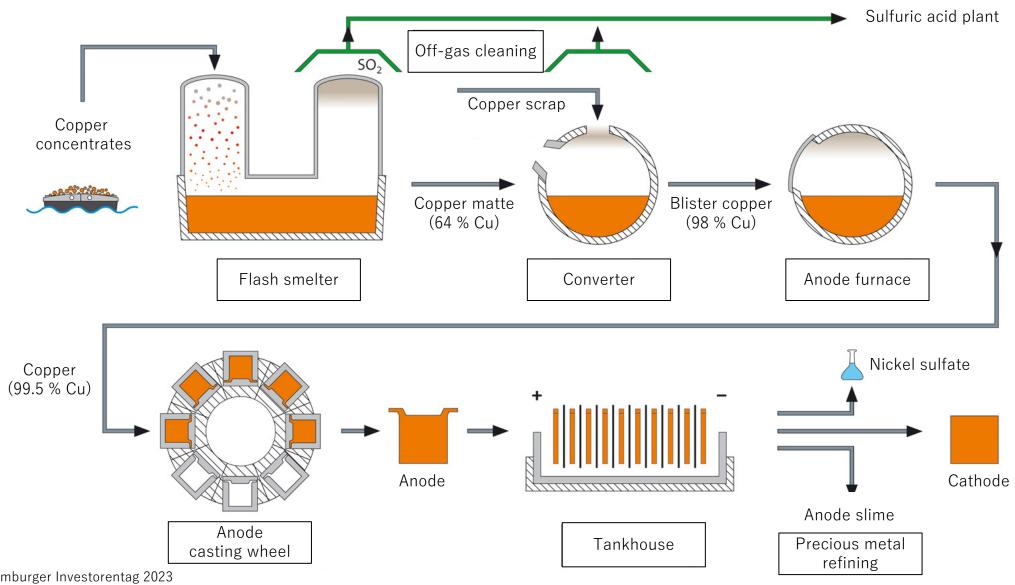
The Group is active in more than 20 countries and has production sites concentrated in Europe and North America



Aurubis is one of the world's leading producers of cathodes, rod, and flat rolled copper products

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Primary copper production process



Disclaimer

Forward-looking statements

This document contains forward-looking statements that involve risks and uncertainties, including statements about Aurubis' plans, objectives, expectations, and intentions. Readers are cautioned that forward-looking statements include known and unknown risks and are subject to significant business, economic, and competitive uncertainties and contingencies, many of which are beyond the control of Aurubis. Should one or more of these risks, uncertainties, or contingencies materialize, or should any underlying assumptions prove incorrect, actual results could vary materially from those anticipated, expected, estimated, or projected.

Back-Up





Aurubis' strong financial position enables our growth strategy

		9M 2022/23	9M 2021/22 ³	Target	
ROCE ¹	%	15.1	17.1	15.0	
Equity ratio (equity/total assets)	%	57.5	54.0	> 40.0	
Debt coverage ²		0.0	-0.2	< 3.0	
		9M	9M		

Additional KPIs		2022/23	2021/22
Capital expenditure	€m	374	225
Capital employed (balance sheet date)	€m	3,457	2,980
Net cash flow	€m	73	11

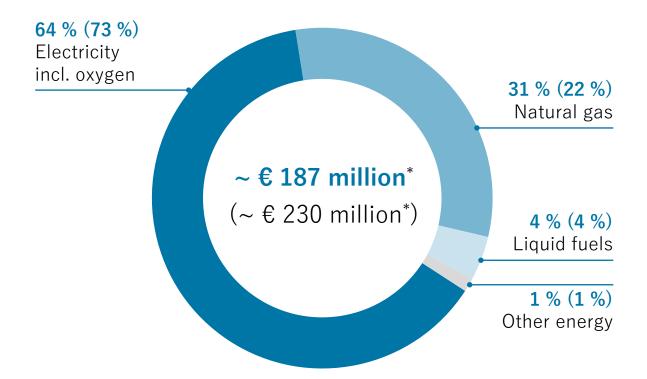
¹ Rolling EBIT last 4 quarters

² Net financial liabilities/rolling EBITDA last 4 quarters

³ Prior-year figures adjusted

Aurubis continues to manage energy costs

Breakdown of energy costs 9M 2022/23 (YTD prior-year figures)



 CO_2 emissions of 1.31* million t (1.61)

- 0.52* million t of direct emissions (0.56)
- 0.78* million t of indirect emissions related to purchased electricity; market-based (1.05)

Key influencing factors for the reduction of energy costs in 9M 2022/23:

- Active energy management/hedging transactions
- Electricity price cap in Bulgaria
- Indirect CO₂ compensation (annual payment)

* Preliminary figures

Electricity incl. oxygen consumption in the Aurubis Group: approx. 1.81* TWh (1.94)

^{*} Figures adjusted by energy compensation and hedging transactions

Outflows from current project pipeline expected to peak in 2023/24

Capex planning broken down into baseline and strategic (in € million)



FY 20/21

FY 21/22



FY 22/23e FY 23/24e FY 24/25e

Investment horizon of the Group

- The planned maintenance schedule of the two primary smelters in Hamburg and Pirdop will change from planned maintenance every two years to a three-year cycle from FY 2025/26 onwards
- Depreciation will start substantially impacting the P&L after FY 2025/26, but all projects are accretive to P&L
- Total fixed assets expected to reach around € 3.5 billion by 2025/26

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FY 25/26e