

DT combines key technologies for decarbonization with a broad industrial customer base



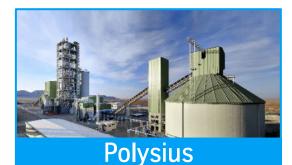
Producer of (large) slewing bearings and rings

Broad range of industrial applications incl. renewable energy



Suite of green technologies to support energy transition

Plant engineering & project delivery for chemicals such as ammonia/ methanol



Plant engineering and service in the cement/lime industry

Technologies for emission reduction, efficient carbon capture processes



Supplier of electrolysers for green hydrogen

Plant engineering for chlor-alkali production

Selected examples of customer base

- Siemens Gamesa
- Vestas
- JCB
- GE Renewable Energy

- Saudi Aramco
- Uniper
- ADNOC
- Qatar Energy

- CEMEX
- Heidelberg Materials
- GCC
- Holcim

- Air Products
- Shell
- Covestro
- Unigel

Key technologies for industrial decarbonization

+

Coverage of crucial steps in green H₂ and renewable energy value chain



Extensive customer base with broad industry reach



^{1.} Publicly listed company with thyssenkrupp AG as majority shareholder

Decarbon Technologies bundles key technologies for Green Transformation



Rothe Erde

- Global No. 1 supplier for slewing bearings and leading supplier for rings
- Mission critical components for wind energy
- Enormous opportunities from global expansion plans for wind energy





thyssenkrupp nucera

- Technology leader in electrolysis plants to produce green hydrogen
- Successful IPO underpins opportunities of the hydrogen market and its growth prospects

Polysius

- Paving the way for climate-neutral transformation of the cement and lime industry
- Solutions to reduce CO₂ within production process (e.g., clinker factor reduction, carbon capture)

Uhde



- Technology leader and global plant engineering capabilities
- Wide range of technology portfolio to support industrywide green transition (e.g., ammonia, methanol, ammonia cracking)



Executive board of the Decarbon Technologies segment with strong business acumen

Miguel Lopez Chief Executive Officer DT (also CEO tkAG)

- Extensive experience in the industrial equipment sector and in the field of new energies
- Various executive positions in industrial corporations (e.g., Siemens AG, Norma Group SE)



Dr. Klaus Keysberg Chief Financial Officer DT (also CFO tkAG)

- Broad industry expertise with a focus on the automotive industry and the material trading sector
- Former CFO positions in various tk businesses and segments (e.g., thyssenkrupp Bilstein GmbH)



Cetin Nazikkol Chief Strategy Officer DT¹ (also Head of tk APA)

- Strong expertise in development of new business models with focus on technology and sustainability
- Former leadership and strategy positions in various tk businesses (e.g., thyssenkrupp Steel Europe AG)



Michael Höllermann Chief Human Resources Officer DT

- Longstanding experience in plant engineering and human resources
- Part of tk for over 30 years with executive positions in various group companies



Note: Executive board of DT-segment, thyssenkrupp nucera as publicly listed company with separate executive and supervisory board 1. Designated

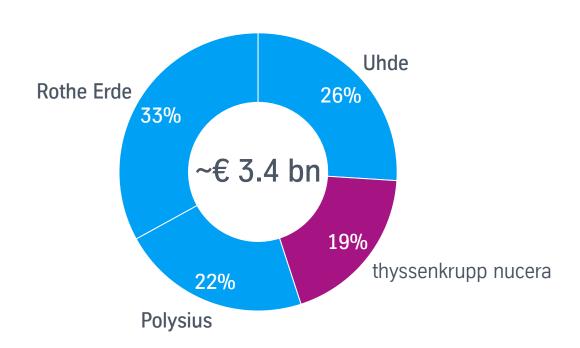


Revenue by business and region FY 22/23

Pro-forma figures, bn €

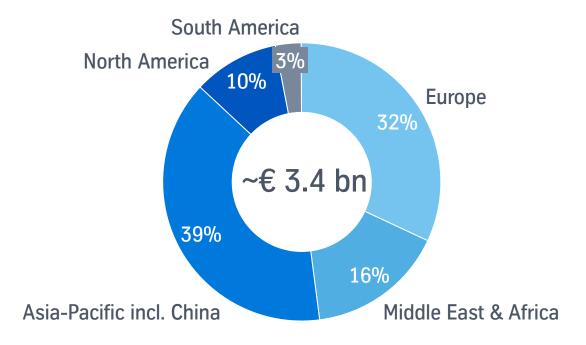


Revenue by business in FY 22/23





Revenue by region in FY 22/23

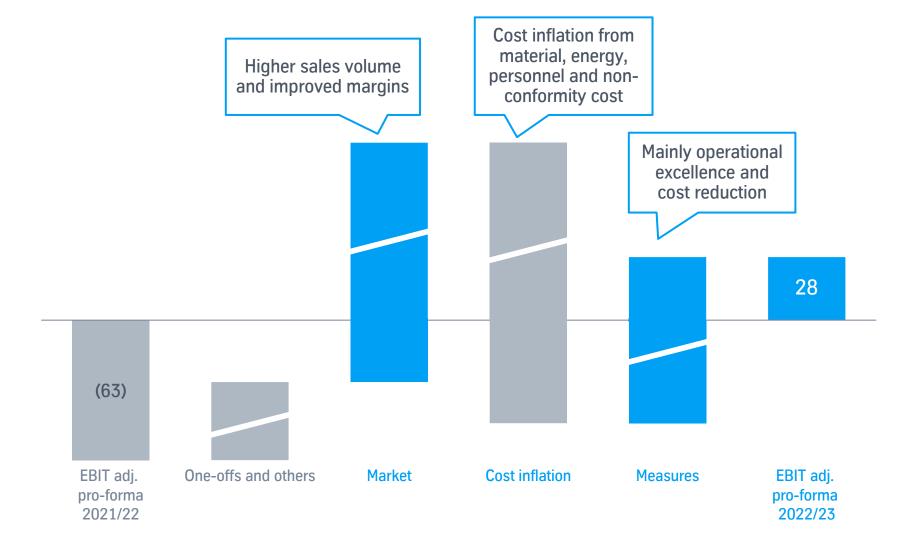




FY 2022/23: EBIT adjusted turnaround strongly supported by measures

Pro-forma figures, mn €

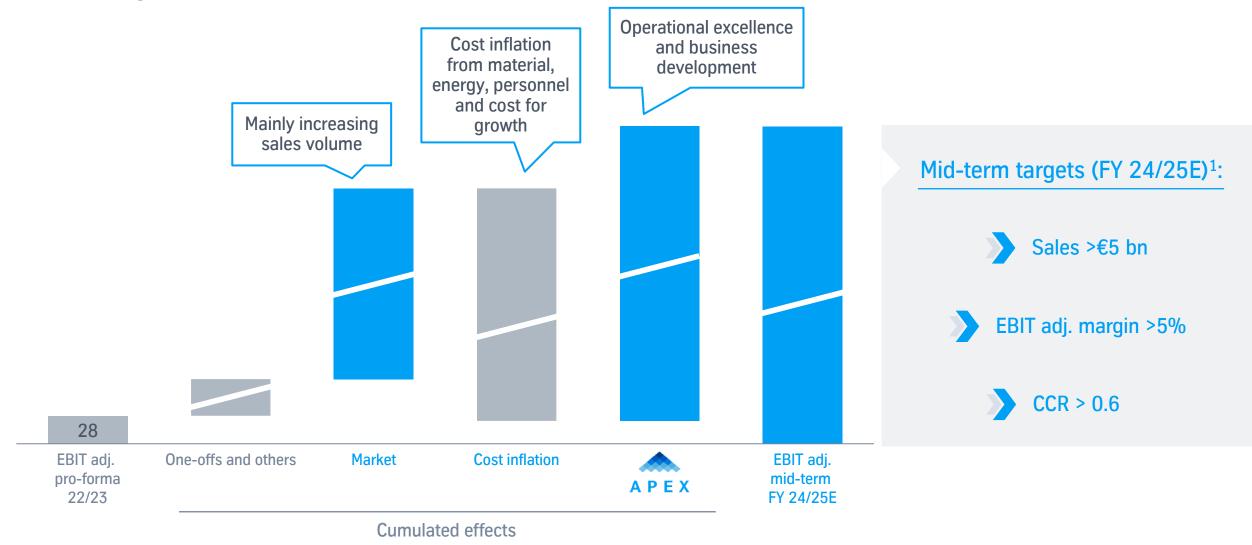






Mid-term targets established – growth and efficiency gains drive performance

Pro-forma figures, mn €



^{1.} Based on current set-up



Key highlights Decarbon Technologies

- Enabler for decarbonization across industries and market leader in attractive key technologies
- Well-established businesses with access to customers and large installed base
- Global Player with regional customer focus on main growth markets
- Clear path for commercializing decarbonization technologies with strong focus on performance
- Consequent initiatives to enhance execution excellence at industrial large-scale projects
- Significant order backlog and strongly growing order intake with attractive margins
- Experienced management with cross-industrial expertise



1 DT businesses possess world-leading technological solutions for industrial decarbonization

Selected highlights of the technology portfolio



Energy efficient ammonia plants
with capacity ranging above 3300t
per day; driving industrywide
decarbonization efforts with broad
technology portfolio e.g., methanol,
ammonia cracking, biomass
gasification

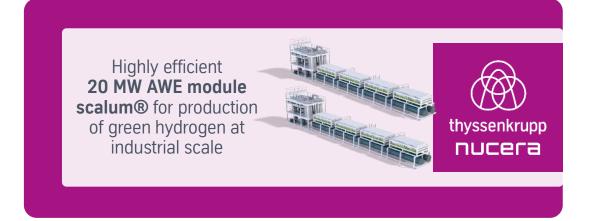


Uhde



The polysius® pure oxyfuel technology is the best-in-class technology for carbon capture in cement and lime production

Polysius

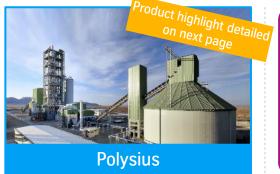




1 Leading market positions established – decarbonization offers further growth potential









Long-term market drivers



High performance large

diameter slewing bearings

and rings for mission

critical applications



Ammonia as fuel as well as a hydrogen vector & methanol as fuel and as a chemical pre-curser



Decarbonization of cement and lime production; aging installed base



Current market positioning

Market

leadership

Market leader for large slewing bearings, supplying attractive and diverse end markets incl. wind power

End-to-end solution provider for clean ammonia plants and other wide range of green technologies

Market leader in large scale uhde® ammonia process; proven experience in first of its kind e-methanol and biomass gasification

Full range solution provider for the cement and lime industry incl. green tech, service, and automation solutions

Leader in decarbonization solutions such as polysius® pure oxyfuel

System provider for green hydrogen (AWE) and chloralkali, as well as hydrochloric acid solutions

Industry leader for green hydrogen technology with 20 MW AWE module "scalum®"



1 Highlight Polysius | We are at the frontline of reducing CO₂-emissions to almost zero



Oxyfuel: Sustainable technological leadership

New production process

Clinker production under pure oxygen environment for high grade CO₂-emission

Allows full CO₂ neutral cement plant

Capturing of CO₂ during production for direct usage or storage

Attractive customer business case

Cost savings on CO₂-emission certificates

Large installed tk base can be addressed

Potential to address global mature markets following EU boom



Our USPs

Technology protected by 15+ patents and patent applications Process integrated, compact design



2 | Significant market presence and ready for additional growth



thyssenkrupp ' Rothe Erde nucera >2,500 electrolyser multimegawatt plants built main bearings worldwide Uhde Polysius **DT-Segment** ~35% chemical & process of cement plants built plants worldwide worldwide years of industrial with installed experience eguipment

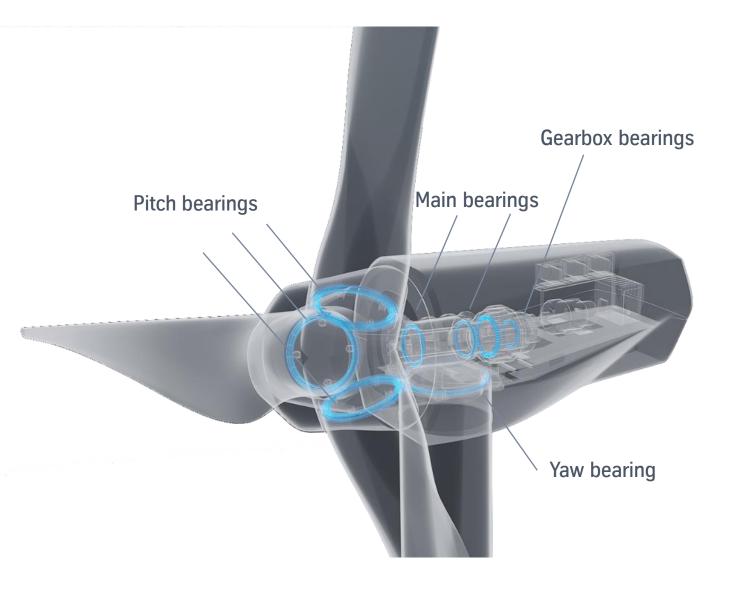
Key advantages

- Long-time experience:
 Best-practices have been acquired over decades
- Profound experience:
 Expert knowledge in a broad range of international plant engineering
- Precondition for additional growth:

 Large installed base and close customer relationships as catalyst for additional (service) business



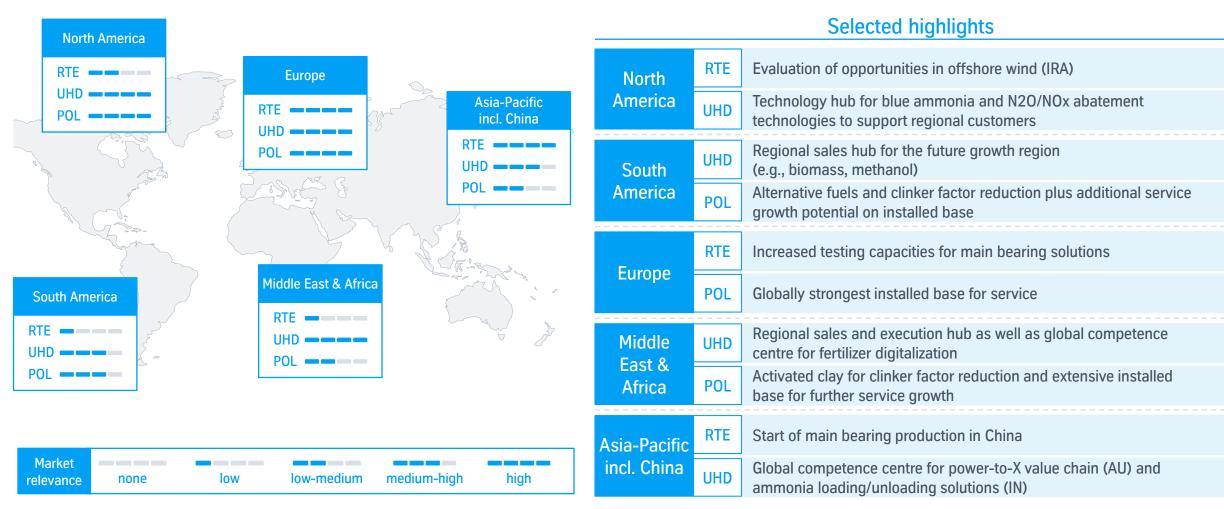
2 | Highlight Rothe Erde | Our technology for multimegawatt wind turbines



- ✓ Customized | Tailor made according to customer needs
- ✓ Innovation | Bearing design and break-through developments for the benefit of our customers
- ✓ Experience | More than 50 years in wind industry and thousands of bearings operating worldwide
- ✓ Quality | Design, Manufacturing, Testing without compromise – according to APQP4Wind
- ✓ Reliability | Proven designs for all wind turbine types –
 based on leading FEM calculation tools, validated by
 true to scale tests
- ✓ Performance | Established track record with thousands of bearings operating under harshest conditions – onand offshore
- √ Value Chain | Expertise and concepts for integrated solutions of Hub or Drivetrain (e.g., Pitch Bearing Unit)
- ✓ Service | Global Service for Pre- and Aftersales



3 Decarbon Technologies is a true global player with regional focus on all relevant markets

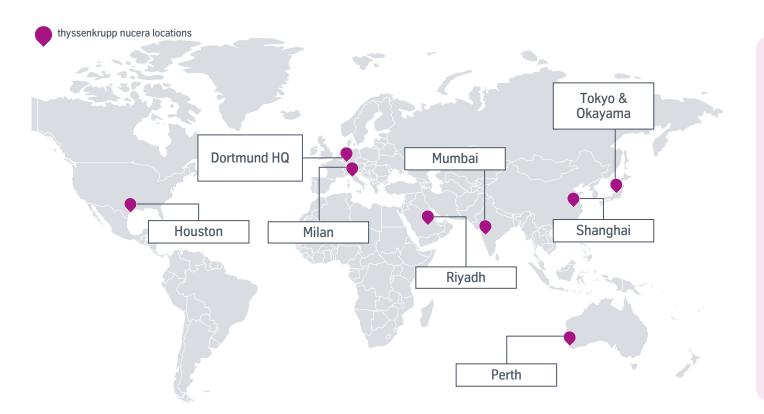


Notes: DT-businesses are abbreviated as follows – Rothe Erde = RTE; Uhde = UHD; Polysius = POL



3 Highlight thyssenkrupp nucera | Global organization to capture accelerated growth in green hydrogen

Global presence – Current focus on NAM and Europe...



Current focus on **North America** and **Europe**

- Strong push due to IRA in the US and ramp-up of local organization
- Europe as home market and important green hydrogen destination – initiatives such as RePower EU, NZIA¹ and European Hydrogen Bank as strong market impulses

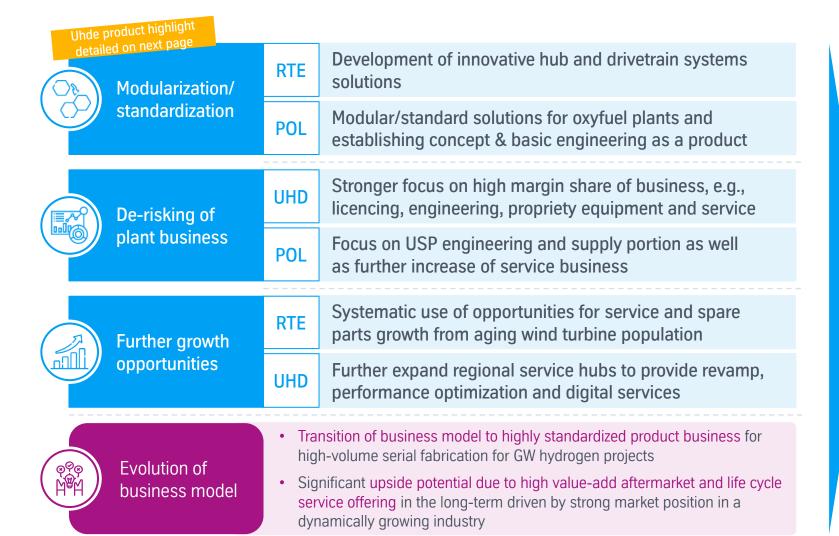
Objective: Serve all relevant green H_2 markets globally by 2030

 Sequenced approach to expand business geographically in sync with our organizational ramp-up and establish a global footprint





4 Clear path for commercializing our leading decarbonization technologies with strong focus on performance



Mid-term targets (FY 24/25E)¹:

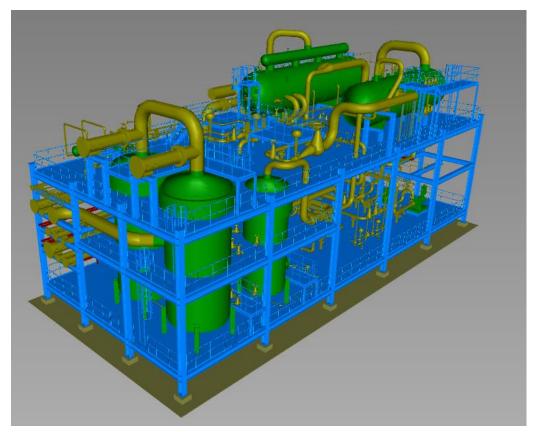
>€5 bn Revenue

>5 % EBIT adj. margin

Notes: DT-businesses are abbreviated as follows – Rothe Erde = RTE; Uhde = UHD; Polysius = POL 1. Based on current set-up



4 Highlight Uhde | Combining Uhde's modularization and standardization capabilities enables accelerated scale-up and integration readiness of green ammonia plants



Exemplary 3D view of one module

Modularization

- Improvement in safety performance
- De-risked schedule
- Higher quality control
- Smaller environmental footprint

Standardization

- Development of standard plant sizes supported by market demand
- Reduced delivery times
- Reduced complexity
- Reduced costs through economies of scale



Leveraging synergies, cost savings and improved fabrication efficiency leads to increased competitiveness, risk mitigation and unlocking of capacity constraints

Uhde is preparing itself for the increased demand resulting from enormous future investments in green markets



5 Consequent initiatives to enhance execution excellence at industrial large-scale projects

Overarching targets



Continuous enhancement of execution excellence



Ongoing simplification and standardization of processes



Best-in-class performance regarding results, quality, and efficiency

Business-specific initiatives

Rothe Erde

- Global production network with scalable manufacturing lines
- Strengthening relationship with leading OEMs as strategic partner, e.g., systems supplies for wind turbine modules

Uhde

4Uhde transformation program with a target to achieve
 50% of revenue and steady bottom-line effects from clean technologies by FY26-27

Polysius

- Focus on developing standard models for oxyfuel
- Descope EPC-model with partner for construction part
- Integration of sales and execution



© Recently formed alliances and acquired projects underline the leading role of the Decarbon Technologies segment in key lighthouse initiatives for sustainable development

Rothe Erde

- Strategic partnership with leading western OEM & LTA until 2028
- Major share-of-wallet agreement with leading OEM for 2024 worldwide demand





- Qatar Energy selected Uhde for their world scale blue ammonia project
- Uhde awarded contract by ENOWA, NEOM's energy/water company, to supply a green methanol & methanol-togasoline plant





- First industrial pilot for polysius® pure oxyfuel technology
- Door opener for further large projects, both in innovation environment (e.g., Carbon2Business) & regular EP in coming years





- NEOM: >2 GW installation

 one of the largest
 projects project on
 track, first modules in
 fabrication
- H2green steel: supply modules for a green steel plants with more than 700 MW capacity



T Experienced management with cross-industrial expertise

Rothe Erde



CEO Winfried Schulte



CFO Philipp



C00 Dr. Wilfried **Spintig**

Uhde



CEO Dr. Cord Landsmann



CFO Misa Djenic



COO Lucretia Löscher



CHRO Walter Schön

Polysius



CEO Pablo Hofelich



CFO Dr. Alexander



CS₀ Frank Ruoss

thyssenkrupp nucera¹



CEO



CFO



Significant cross-industry experience



Leading technological experience



Global management experiences







In line with our mission to decarbonize the industry, ESG is an integral part of our business

ESG

Rothe Erde

- Dedicated yearly energy efficiency measures as well as solar and carbon capture invest
- Overarching global CO₂ reduction roadmap including research on "green ring" potentials

- Dedicated energy management and efficiency program at headquarter site incl. workshop
- "Polysius inspire" as dedicated project focusing on diversity, culture, and work environment

Polysius

Uhde

- Dedicated ESG strategy, organization, and governance established via project "Sustainability@Uhde"
- Implemented energy management systems in Germany

- Setup of a central ESG steering and global governance concept
- Commitment to NFRD (CSR-RUG in Germany) and introducing own GRI reporting for FY 2023/24





Decarbon Technologies: The "green industrial powerhouse" enables a broad industrial customer base for decarbonization



Decarbon Technologies bundles thyssenkrupp's key technologies for the green transformation



The businesses are global market leaders in highly-attractive sustainable growth markets



Decarbon Technologies has a **clear path for commercializing** our leading technologies with strong **focus on business performance**



Strong order intake and focus on execution excellence combined with an experienced management team paves the way for sustainable value creation

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