



Press Kit

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Press Contact

thyssenkrupp nucera:

Katharina Immoor
Head of Communications & ESG
Phone: +49 231 547 2863
E-Mail: katharina.immoor@thyssenkrupp.com

Rita Syre
Senior Media Relations Manager
Mobile: + 49 174 161 86 24
E-Mail: rita.syre@thyssenkrupp-nucera.com

Dr. Marcel Kleifeld
Senior External Communications Manager
Phone: +49 231 229 724 347
E-Mail: marcel.kleifeld@thyssenkrupp-nucera.com

Jessi Molohon
Communications Manager US
Phone: +1 346 517 8838
E-Mail: jessi.molohon@thyssenkrupp-nucera.com

thyssenkrupp nucera AG & Co. KGaA, Voßkuhle 38, 44141 Dortmund
T: +49 231 547-7100, F: +49 231 547-2334,
Handelsregister: Amtsgericht Dortmund, HRB 33774
Vorsitzender des Aufsichtsrats: Dr. Volkmar Dinstuhl

Persönlich haftende Gesellschafterin: thyssenkrupp nucera Management AG
Handelsregister: Amtsgericht Dortmund, HRB 33591
Vorstand: Dr. Werner Ponikwar, Dr. Arno Pfannschmidt, Fulvio Federico
Vorsitzender des Aufsichtsrats: Dr. Volkmar Dinstuhl



Facts & Figures

About thyssenkrupp nucera AG & Co. KGaA, Dortmund (Germany)

- thyssenkrupp nucera offers world-leading technologies for highly efficient electrolysis plants. The company has extensive expertise in the planning, procurement and construction of electrochemical plants.
 - Its track record includes more than 600 successfully installed projects with a total capacity of more than 10 gigawatts.
 - thyssenkrupp nucera is currently processing orders with a total electrolysis capacity of more than 3 gigawatts.
 - The company currently has two technologies at its disposal: alkaline water electrolysis and chlor-alkali electrolysis.
 - With its water electrolysis technology for the production of green hydrogen, thyssenkrupp nucera is creating innovative solutions on an industrial scale for green value chains and a decarbonized industry - a major step towards climate neutrality.
 - Customers include companies such as NEOM in Saudi Arabia, H2 Green Steel in Sweden, Shell in the Netherlands, and several more.
 - thyssenkrupp nucera successfully completed an IPO in July and has been listed on the SDAX of the Frankfurt Stock Exchange since September.
 - The electrolysis specialist generated sales of € 652.8 million in the past financial year 2022/2023 (corresponding prior-year period: € 383.1 million). The net result reached EUR 22.5 (6.0) million. The number of employees rose to 675 (previous year: 509) by the end of the financial year (September 30, 2023).
 - www.thyssenkrupp-nucera.com
 - Social Media: LinkedIn [thyssenkrupp nucera](#) | LinkedIn
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The Management of thyssenkrupp nucera

Dr. Werner Ponikwar

CEO thyssenkrupp nucera AG & Co. KGaA (as Executive Board member of the General Partner thyssenkrupp Management AG)

Professional background:

Holding a Ph.D. in Chemistry from the LMU Munich, Dr. Werner Ponikwar has gained 20+ years of experience in the chemical industry. He held leading positions including business development, corporate strategy and management at German stock-listed companies such as Evonik Degussa and Linde.



In his last role, he served as CEO of Linde Hydrogen FuelTech, a global technology provider of hydrogen refuelling stations, focused on the full product life cycle, incl. the development, manufacturing, sales, erection and service. As the new CEO of thyssenkrupp nucera, he will drive the development of the business to a standalone company to become a global hydrogen technology champion. As the CEO of thyssenkrupp nucera, Dr. Werner Ponikwar is responsible for sizing the business in all regions with a clear vision and growth strategy.

Dr. Arno Pfannschmidt

CFO thyssenkrupp nucera AG & Co. KGaA (as Executive Board member of the General Partner thyssenkrupp Management AG)
Born 1961, degree (Dipl.-Volksw.) in economics and a doctorate (Dr. rer. pol.) in transaction cost economics from the University of Bonn.

Professional background:

Arno Pfannschmidt has more than 25 years' professional experience in accounting, taxes, controlling, finance and M&A at thyssenkrupp.

For over 20 of these years, he has been in CFO functions at subsidiaries within various Business Areas, such as Stainless Steel, Elevator and Marine Systems, including assignments to Italy, South Korea and Sweden.



On September 1, 2014, Arno Pfannschmidt was appointed CFO of thyssenkrupp Electrolysis GmbH, and continued in this function after the Closing of the Joint Venture with De Nora. He manages the Group's CFO functions.

Fulvio Federico – CTO (Chief Technology Officer)

CTO thyssenkrupp nucera AG & Co. KGaA (as Executive Board member of the General Partner thyssenkrupp Management AG)

Born in Milano in 1966, studied Chemical Engineering at Politecnico di Milano.



Professional background:

Fulvio Federico has 30 years' professional experience in design, development and manufacturing of cells and processes for the electrochemical industry. In 1993 he joined De Nora for the research and development of electrolyzers for conventional chlor-alkali as well as for new processes, especially those using oxygen depolarized cathodes.

He was participating in projects and leading projects in new technology developments for De Nora and, since 2001, for Uhdenora and partners, from basic concept until industrialization (e.g. the HCl-ODC electrolysis, NaCl-ODC, zero-gap retrofit, new chlor-alkali BM Gen. v6, etc.).

In April 2015 he joined thyssenkrupp nucera (former: thyssenkrupp Uhde Chlorine Engineers) as Head of Global Technology, coordinating the R&D activities. On 1 October 2017 Fulvio Federico was appointed CTO.

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Electrolysis technologies at a glance

- **Alkaline water electrolysis (AWE)** is a process for producing hydrogen from water using electricity. If electricity from renewable energy sources is used, it is green hydrogen.
 - **Chlor-alkali electrolysis** is a process for producing the important basic chemicals chlorine, hydrogen and caustic soda from sodium chloride and water.
 - **PEM electrolysis** (Proton Exchange Membrane) is a water electrolysis process. In contrast to alkaline electrolysis, it is carried out in an acidic medium.
 - In high-temperature solid oxide electrolysis (**SOEC**), a fuel cell converts water vapor into hydrogen and oxygen in reverse mode at very high temperatures.
 - **AEM electrolysis** (anion exchange membrane electrolysis) is a combination of the PEM (proton exchange membrane) and AEL (alkaline electrolysis) electrolysis processes.
 - For further information see [Glossar - thyssenkrupp nucera \(thyssenkrupp-nucera.com\)](#) and [Electrolysis – Fraunhofer IKTS](#)
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Important Links (Photos & Videos)

- **Press release:** [Press releases - thyssenkrupp nucera \(thyssenkrupp-nucera.com\)](https://www.thyssenkrupp-nucera.com/press-releases)
 - **Photos & Videos** (products, management, HQ): [Publications & Media - thyssenkrupp nucera \(thyssenkrupp-nucera.com\)](https://www.thyssenkrupp-nucera.com/publications-media)
 - **Blog:** [new era insights - thyssenkrupp nucera \(new-era-insights.com\)](https://www.new-era-insights.com/)
 - **Brochures**
[Rethinking existing infrastructures | Startseite - thyssenkrupp nucera \(thyssenkrupp-nucera.com\)](https://www.thyssenkrupp-nucera.com/rethinking-existing-infrastructures)
[Infographic: Value chain for green hydrogen](#)
 - **Website:** [Rethinking existing infrastructures | Home - thyssenkrupp nucera \(thyssenkrupp-nucera.com\)](https://www.thyssenkrupp-nucera.com/rethinking-existing-infrastructures)
 - **Glossary:** [Glossary - thyssenkrupp nucera \(thyssenkrupp-nucera.com\)](https://www.thyssenkrupp-nucera.com/glossary)
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