

# Nedstack unveils its' 3<sup>rd</sup> Generation Fuel Cell Design in Duisburg

Duisburg (Germany) November 14<sup>th</sup>, 2023

- Nedstack and ZBT have been cooperating on the development and industrialization of a third generation PEM fuel cell concept since 2018;
- On November 14<sup>th</sup> – in the presence of His Majesty King Willem-Alexander of the Netherlands and His Excellency Mr. Hendrik Wüst; prime minister of North Rhine-Westphalia – Nedstack has inaugurated this new platform during a product-reveal ceremony at the premises of cooperation partner ZBT;
- This new fuel cell platform is the basis for Nedstack's product portfolio and is tailored for significant increase in power output, fitness for mass-production while meeting industry cost-targets.

**DUISBURG – Nedstack, a leading pioneer in the development and commercialization of hydrogen fuel cell technologies, and ZBT (Center for Fuel Cell Technology), a renowned research institution based in Duisburg, Germany, are proud to announce a significant milestone in their collaborative journey. Since 2018, Nedstack has been working on the development and industrialization of a third-generation PEM (Proton Exchange Membrane) fuel cell platform with the support by ZBT. Today, we are thrilled to reveal the successful fruition of this partnership with the inauguration of this innovative fuel cell platform.**

On November 14<sup>th</sup>, 2023, in a ceremony attended by esteemed dignitaries His Majesty King Willem-Alexander of the Netherlands and His Excellency Mr. Hendrik Wüst, prime minister of North Rhine-Westphalia, Nedstack proudly unveiled its' third-generation PEM fuel cell platform that has been developed with the support from ZBT. This momentous event marks a new era in the evolution of the cross-border Rhein-Ruhr hydrogen fuel cell eco-system.

This state-of-the-art fuel cell platform serves as the cornerstone of Nedstack's future product portfolio. It represents a significant leap forward in power output, mass-production capability, and cost-effectiveness for the hydrogen industry. With its enhanced capabilities, this platform is poised to drive the widespread adoption of hydrogen-based solutions across various sectors, accelerating the transition to a more sustainable and eco-friendly energy landscape.

Key Highlights of the New Fuel Cell Platform:

**Enhanced Power Output:** The third-generation PEM fuel cell concept boasts a remarkable increase in power output. This breakthrough technology paves the way for the development of more powerful, power dense and efficient hydrogen-based applications across stationary and maritime industries.

**Mass-Production Ready:** Designed with mass production in mind, this platform is tailored to meet the rigorous demands of large-scale manufacturing. Its streamlined production processes and cost-efficient design make it a viable solution for addressing the world's growing energy needs sustainably.

**Meeting Industry Cost-Targets:** The Nedstack fuel cell platform aligns with industry cost-targets, making hydrogen technology more economically viable. This affordability factor is essential in ensuring the widespread adoption of hydrogen-based solutions across various sectors, including transportation, energy generation, and more.

Nedstack and ZBT are committed to advancing the cross border Rhein-Ruhr Fuel Cell technology ecosystem by cooperating in developing and delivering innovative and reliable fuel cell solutions. This collaborative achievement signifies our dedication to a sustainable future and our determination to make hydrogen technology accessible to all.

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**About Nedstack** ([www.nedstack.com](http://www.nedstack.com))

Nedstack is a Dutch developer and manufacturer of PEM Fuel cell power solutions for high power and high-use applications. Nedstack was founded in 1999 and is incorporated in Arnhem, the Netherlands, and is committed to contribute to a NetZero society by delivering state-of-the-art hydrogen fuel cell-based power solutions.

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**About ZBT** ([www.zbt.de](http://www.zbt.de))

ZBT is one of the leading research institutes in Europe for fuel cell and hydrogen technologies and a sought-after R&D partner in both European and national cutting-edge research as well as in industrial projects focusing on automotive applications and stationary power generation. ZBT is a non-profit limited company (GmbH), the sole shareholder is the University of Duisburg-Essen.

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