

## Maeve Aerospace adopts Siemens Xcelerator for development of next generation all-electric, zero emissions commuter aircraft

- **Siemens Xcelerator portfolio used to develop the digital twin of the next generation of Maeve's zero-emissions, all-electric aircraft**
- **Maeve 01 aircraft enables 44+ passengers to travel in a range over 250 nautical miles at significantly lower energy consumption compared to the previous generation**
- **Latest design aircraft reduces operating economics by 30% compared to existing turboprops**

Siemens Digital Industries Software today announced Maeve Aerospace B.V. has adopted the Siemens Xcelerator portfolio of industry software and services to aid in the development of Maeve 01 – its next-generation, zero emissions all-electric passenger aircraft. Unveiled at the Paris Air Show, Maeve 01 enables 44+ passengers to travel in a range of 250nmi with zero emissions.

Maeve's mission is to transform regional air mobility, guided by a commitment to mitigate environmental impact. With its all-new electric aircraft design, Maeve is aiming to significantly decrease emissions and energy consumption while improving the aviation industry's economic and social prosperity, building a sustainable future that contributes to a healthier planet for future generations.

Through their shared passion and dedication, Maeve's growing team of aviation experts is pioneering the path towards zero emission flights. Recently, [Maeve Aerospace](#) received a global interest from investors including a conditional investment of €17.5 million co-investment from the European Innovation Council and over €2,5 million in Dutch grants.

“Maeve’s experienced aviation team having the Siemens Xcelerator portfolio of design and simulation tools in their toolbox has given us the perfect opportunity to take our electric aircraft design to the next level,” said Joost Dieben, Co-Founder and Chief Commercial Officer, Maeve Aerospace. “Maeve is empowered with these tools and Siemens’ expertise has helped us to get one step closer to zero-emission aviation. Together with Siemens, we’ve been able to accelerate our development process to be able to start flying before 2030.”

Under the technical leadership of its new Chief Technology Officer, Martin Nuesseler, the Maeve team has redesigned and optimized its earlier aircraft using the Siemens Xcelerator portfolio of industry software. Creating a digital twin of its all-electric powertrain and executing full thermal and safety simulations on its in-house designed aircraft dedicated battery system, has enabled Maeve to significantly reduce the overall weight of the aircraft. This has resulted in the reduction of aircraft structures, delivering an increase in propulsion and battery capacity. And compared to existing turboprop aircraft, Maeve 01 reduces operating costs by 30%.

“Maeve, like many aerospace industry innovators, is adopting Siemens Xcelerator as the platform of choice for the development of next-generation vehicles,” said Todd Tuthill, Vice President, Aerospace and Defense, Siemens Digital Industries Software. “To meet market demands, sustainability requirements and remain competitive, aerospace companies need new ways to deliver products faster and Siemens’ goal is to help our customers push the boundaries of innovation while making digital transformation easy, fast, and at scale.”

**Siemens Digital Industries Software** helps organizations of all sizes digitally transform using software, hardware and services from the Siemens Xcelerator business platform. Siemens' software and the comprehensive digital twin enable companies to optimize their design, engineering and manufacturing processes to turn today's ideas into the sustainable products of the future. From chips to entire systems, from product to process, across all industries. [Siemens Digital Industries Software](#) – Accelerating transformation.

### Contact for journalists

Siemens Digital Industries Software PR Team

Email: [press.software.sisw@siemens.com](mailto:press.software.sisw@siemens.com)

**Siemens Digital Industries (DI)** is an innovation leader in automation and digitalization. Closely collaborating with partners and customers, DI drives the digital transformation in the process and discrete industries. With its Digital Enterprise portfolio, DI provides companies of all sizes with an end-to-end set of products, solutions and services to integrate and digitalize the entire value chain. Optimized for the specific needs of each industry, DI's unique portfolio supports customers to achieve greater productivity and flexibility. DI is constantly adding innovations to its portfolio to integrate cutting-edge future technologies. Siemens Digital Industries has its global headquarters in Nuremberg, Germany, and has around 76,000 employees internationally.

**Siemens AG** (Berlin and Munich) is a technology company focused on industry, infrastructure, transport, and healthcare. From more resource-efficient factories, resilient supply chains, and smarter buildings and grids, to cleaner and more comfortable transportation as well as advanced healthcare, the company creates technology with purpose adding real value for customers. By combining the real and the digital worlds, Siemens empowers its customers to transform their industries and markets, helping them to transform the everyday for billions of people. Siemens also owns a majority stake in the publicly listed company Siemens Healthineers, a globally leading medical technology provider shaping the future of healthcare. In addition, Siemens holds a minority stake in Siemens Energy, a global leader in the transmission and generation of electrical power.

In fiscal 2022, which ended on September 30, 2022, the Siemens Group generated revenue of €72.0 billion and net income of €4.4 billion. As of September 30, 2022, the company had around 311,000 employees worldwide. Further information is available on the Internet at [www.siemens.com](http://www.siemens.com).

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