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BUSINESS OF SERVICES

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COMPANY SPOTLIGHT



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MAREANA

*Redefining Technology Solutions
for Life Sciences*

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CADFEM INDIA:

Leveraging Deep Tech Expertise to Boost Industry Advancements

Industries worldwide are advancing through the integration of modern technologies, supported by deep tech organizations dedicated to developing cutting-edge solutions. In specialized niche sectors like aerospace, pharma, and more, the requirement for personalized solutions are rising. A veteran, industry-defining, and globally present organization, CADFEM pioneers the development of progressive deep tech technologies for a broad array of industry domains like aerospace, automotive, home appliances, electronics, photonic, and healthcare, among others.

Present in over 40 countries, CADFEM has made its mark as the leading expert in digital engineering. The company's Indian arm, CADFEM India has grown into a leading provider of tailored services that empower industries with advanced simulation capabilities. Equipped with a team of engineering experts with a strong focus on technology development from the component level to the system level; the firm delivers robust and innovative digital engineering solutions aligned with the nuanced understanding of diverse niche industries.

World-Class Simulation Solutions

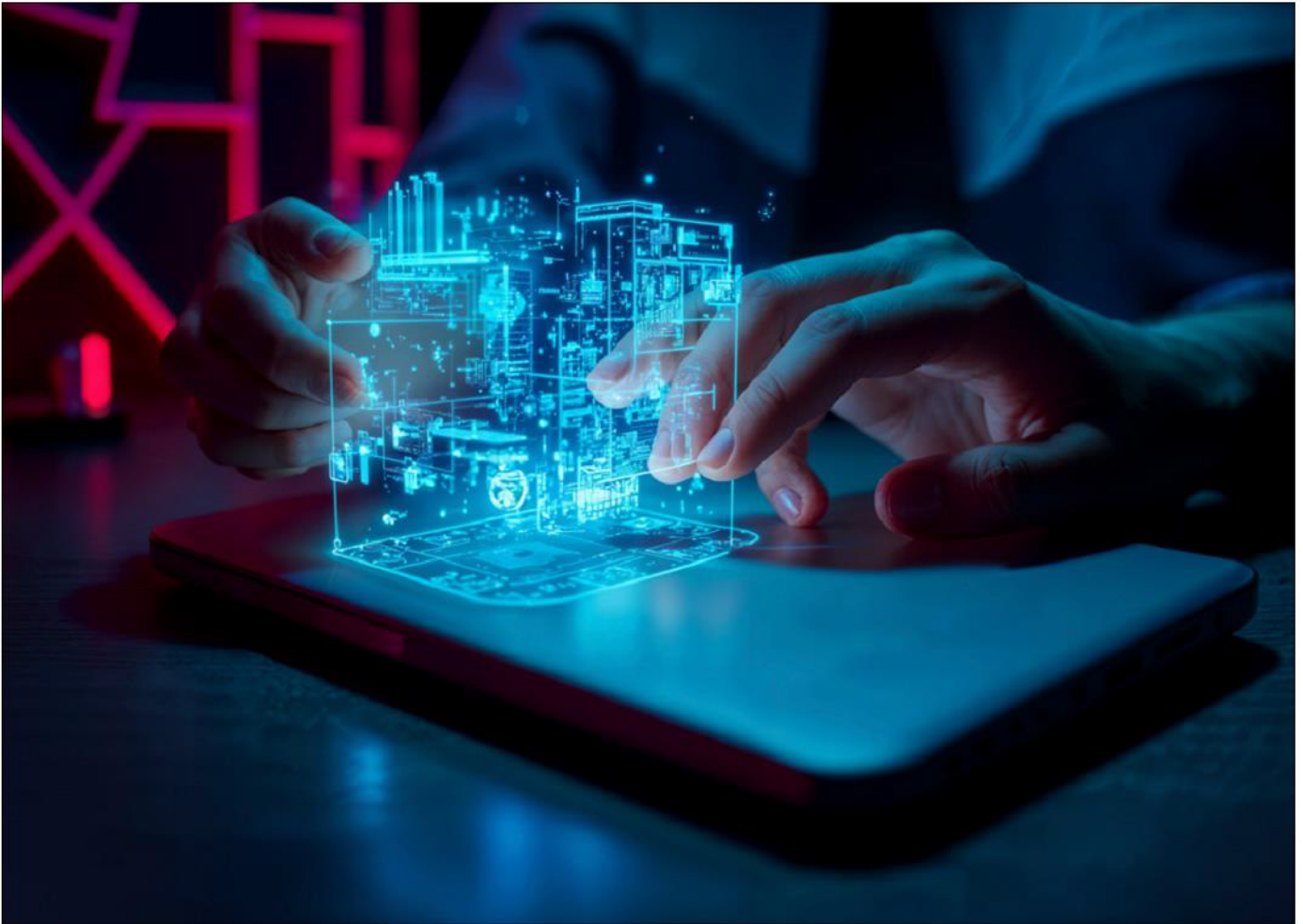
Possessing expertise in specialties like machine learning, artificial intelligence, multiphysics modalities, and project management, CADFEM India supports the creation of optimized solutions for product and process development challenges. The company's partnership with Ansys since 1985 has played a pivotal role in defining the firm's position as an elite channel partner in the business for multiphysics numerical simulations, demonstrating the highest standards of synergy and excellence in the domain.

The company excels in translating real-world industry complexities into physics-based simulation models, useful for sourcing valuable techno-economic solutions. The one-of-a-kind CADFEM-enabled digital twin solutions have supported business optimization through



predictive analytics and maintenance of hardware assets. Its solutions are designed meticulously aligned with the company's focus on making a positive societal impact by streamlining simulations to complement the sustainability and ESG initiatives and objectives of its clients.

"Our digital engineering services stand out with a diversified technology portfolio for multiphysics and system level tradeoff analyses, combined with domain-specific expertise in healthcare, chemicals, and advanced Industry 4.0 technologies. Our proficiency in python-based automation and customization facilitates efficient solutions that drive innovation and streamline processes. We prioritize continuous learning, leverage cross-learning from diverse geographies and demographics, partake in leading technology conferences, encourage our technologists to publish in elite journals, and foster strategic collaborations, ensuring we stay ahead", shares Dr. Ing Madhukar Chaitri, CEO.



Future Roadmap

CADFEM India has brought waves of transformation in diverse industries, and has been honoured with numerous prestigious awards like the APAC Partner of the Year, and the Best Channel Partner award from Ansys across diverse segments, reinforcing the company's success in delivering world-class simulation solutions.

**Present in over 40 countries,
CADFEM has made its mark as
the leading expert in digital
engineering**

Committed to continuing delivering quality and efficient services, CADFEM's robust future roadmap

prioritizes strategic growth across cutting-edge domains like AI, ML, digital twins, automation, quantum computing, and molecular chemistry. The company aims to expand its expertise in Software as a Medical Device (SaMD), rehabilitation technologies, space technology customizations, and software-defined vehicles (SDV), and explore hardware abstraction layer advancements for embedded software development. Through these efforts, the company aims to solidify its position as an industry trailblazer, innovating and delivering value-driven, future-ready solutions that drive success.

"In the next five years, we aspire to become a reliable partner in simulation implementation, seamlessly integrating with digitalization strategies. Our vision is to establish a digital lab where virtual simulations drive all experimental processes. Through this approach, we aim to empower our customers to innovate efficiently, develop sustainable and resilient product designs, and achieve growth with a competitive advantage", adds Dr. Ing Madhukar Chaitri. 