

Press Release

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Hexagon Teams up with CMTI to Support India's Push for Smart Manufacturing

Hexagon has entered into a partnership with India's Central Manufacturing Technology Institute (CMTI) to establish a Smart Factory at Smart Manufacturing Development and Demonstration Cell (SMDDC), an Industry 4.0 Common Engineering Facility and Experience Centre

Bengaluru: Hexagon has entered into a partnership with India's Central Manufacturing Technology Institute (CMTI) to establish a Smart Factory at the CMTI premises in Bengaluru. Through this engagement, Hexagon's Manufacturing Intelligence division will support the implementation and operations of the Smart factory by providing products, services and technical support.

This initiative is a part of a broader engagement that supports the Government of India's "Make in India" vision under the aegis of the Smart Advanced Manufacturing and Rapid Transformation Hub (SAMARTH) Udyog initiative of the Ministry of Heavy Industries and Public Enterprises.

The SMDDC is envisioned as a Common Engineering Facility Centre to propagate and support the adoption of Industry 4.0 and smart manufacturing practices by the rapidly growing Indian manufacturing industry.

"This is a timely initiative to empower the Indian industry, especially the MSMEs, to experience and adopt Industry 4.0 technologies to enhance their quality, productivity and efficiency in a cost-effective manner," said Dr. Nagahanumaiah, Director, CMTI. "We are delighted to associate ourselves with Hexagon as our vision to build a smart manufacturing facility and demo centre under SAMARTH Udyog initiative is coming to fruition. We would like to invite Indian design and manufacturing organizations to come and experience smart manufacturing and how it could help them for their specific requirements."

"We believe that this project will go a long way in promoting indigenous research and developing a cost effective, state-of-the-art technology by developing new products through Industry 4.0 and building the required expertise for smart manufacturing in India," said Sridhar Dharmarajan, Executive Vice President and Managing Director, Hexagon's Manufacturing Intelligence division in India. "We are proud to collaborate in this initiative with CMTI, and have expressed our commitment to support the industry to adopt Industry 4.0 technologies."

Hexagon will work with CMTI to establish a Smart Factory Demonstrator with a Digital Twin for Small & Medium Businesses with examples relating to CNC machining, sheet metal production and additive manufacturing. Employing Industry 4.0 / Smart Factory platforms, the Smart Factory Demonstrator showcase of the latest manufacturing technologies for these industries. The Demonstrator will focus on solution architectures that are modular and configurable enabling smaller businesses to experiment and scale with their needs. It includes a robust research and training platform that leverages part of the existing manufacturing infrastructure at CMTI.

In September 2019, MSC Software had signed a similar agreement with the government-supported IIT Delhi-AIA Foundation for Smart Manufacturing (FSM) to encourage the adoption of smart manufacturing among Small-to-Medium Enterprises (SMEs) in India.

Hexagon's digital twin capabilities help companies digitally transform manufacturing processes, seamlessly connecting data from throughout the process and converging the real and CAE worlds to drive continuous improvement. Hexagon's Manufacturing Intelligence division provides solutions that utilize data from design and engineering, production, and metrology to make manufacturing smarter.

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About Hexagon

Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

Our technologies are shaping urban and production ecosystems to become increasingly connected and autonomous – ensuring a scalable, sustainable future.

Hexagon's Manufacturing Intelligence division provides solutions that utilise data from design and engineering, production and metrology to make manufacturing smarter. For more information, visit hexagonmi.com.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 20,000 employees in 50 countries and net sales of approximately 3.9bn EUR. Learn more at hexagon.com and follow us [@HexagonAB](https://twitter.com/HexagonAB).

About CMTI

'Central Manufacturing Technology Institute', CMTI, is a Research & Development organisation focusing on providing 'Technology Solutions' to the manufacturing sector and assisting technological growth in the country. CMTI plays a key role in applied research, design and development (RD&D), technology forecasting, assimilation and dissemination of manufacturing technology to Indian industries. CMTI is a registered Government of India Society, an autonomous institution under the administrative control of the Ministry of Heavy Industries & Public Enterprises, Government of India, governed by a Governing Council which has representation from the machine tool manufacturing and user industries, the Union Government and the Government of Karnataka.

CMTI has continuously aligned its facilities and expertise with the fast changing technology in thrust areas of manufacturing to support and serve the manufacturing sector. Smart manufacturing, Nanotechnology, Precision engineering, Metrology (Micro and Nano), Additive Manufacturing, Mechatronics, Vision and Image processing, Digital Design, Product Lifecycle Management (PLM) and Human Resource Development(creating 'Industry Ready' engineers) are the current areas of focus of the Institute.



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The Smart Manufacturing Demo & Development Cell (SMDDC) at CMTI is one of the five Common Engineering Facility Center (CEFC) projects under the Smart Advanced Manufacturing and Rapid Transformation Hub (SAMARTH) Udyog, an Industry 4.0 initiative of Department of Heavy Industry, Ministry of Heavy Industry & Public Enterprises, Government of India under its scheme on Enhancement of Competitiveness in Indian Capital Goods Sector.