

The Advanced Manufacturing Center at Temasek Polytechnic is an innovative facility that focuses on highlighting the latest technologies in Industry 5.0, with a particular emphasis on human-centric and sustainable manufacturing practices. This center highlights the application of SMC products and demonstrates its capabilities.

One of the primary areas of focus in this Learning Factory is its collaboration as an Application Center of SMC in the East. It serves as a platform to display and demonstrate SMC's Air Management System (AMS) with digitalization and conditionbased monitoring of devices. This integration of advanced technology allows for efficient and intelligent control of air management systems, optimizing their performance and ensuring smooth operation.

In line with its commitment to sustainability, the Advanced Manufacturing Center emphasizes energy efficiency and energy-saving practices. It achieves this by utilizing the latest SMC Ecological Products in real-world applications. These products are designed to minimize energy consumption while maintaining high performance levels, contributing to a greener and more sustainable manufacturing environment.

The concept of the 4-bar Factory differentiates SMC at the forefront of manufacturing innovation, providing it with a competitive advantage. This concept emphasizes the seamless integration of SMC's products and solutions into various manufacturing processes, enabling increased efficiency, productivity, and flexibility.

If you are interested in witnessing first hand's capabilities of SMC and its products, we would like you to take this opportunity to visit Temasek Polytechnic's Advanced Manufacturing Center. There, you will be able to explore the state-of-the-art technology and witness the practical applications of SMC's solutions in a real-world manufacturing environment.