Introduction to A*STAR’s Future of Manufacturing Strategy

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Tech Labs: Features of Model Factories in A*STAR

1. Experiential Learning Environment
Companies will be able to experience and learn the benefits of new and advanced technologies to their manufacturing processes and operations.

2. Improving Production Processes
The dynamic production environment in the Model Factories will allow companies to optimise and improve their production processes.

3. Co-Innovation Platform
Test bedding facilities will allow the ecosystem of research performers, technology providers and end-users to co-create and test new innovations.

Soft launch: Q4 2017 & Q1 2018
Introduction of Model Factory @ ARTC

Model Factory @ ARTC, is a public-private partnership programme to co-develop a model factory and to collaborate and develop Future of Manufacturing (FoM) technologies, based on real applications in advanced manufacturing and remanufacturing.

Accelerate adoption of Digital Technologies across key industries in Singapore and create a marketplace for digital technology and applications, with unique reach in Asia and beyond.

A*STAR’s RIs & IHL

Provide a training ground for future engineers and create a digital culture for knowledge management.

Generate potential intellectual property portfolio in Industry 4.0 technologies.

Technology Partners & Industry Members

To jointly develop a test bed model on smart factory where heavy equipment industry players (aerospace, marine, machinery) can validate and test new concepts for the next innovation of manufacturing.

Foster industry alignment by identifying list of immediate outcomes from the development.

Regular sharing of best practices to facilitate value capture through review of latest learning.
Testbed Strategy and Focus area

- Focus on industry challenges with an end solution in mind
- Use a structured approach and building blocks to develop complex solutions
- Involve
  - Integration of several technologies
  - Collaborative partnership to achieve common goals

Our Model: Learn fast and Fail fast to accelerate industry adoption