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| Slide | Zone | Text |
| 1 |  | “Effectively, change is almost impossible without industry-wide collaboration, cooperation and consensus.”  - ***Simon Mainwaring***  ***Brand Futurist*** |
| 2 |  | Temasek Polytechnic Advanced Manufacturing Centre |
| 3 | Entrance | Future-oriented and cutting-edge, fully-equipped with the latest technologies that encompass digitalization, data analytics, robotic automation and artificial intelligence, the Advanced Manufacturing Centre (AMC) is a microcosm of the factory of tomorrow.  With multidisciplinary expertise that spans engineering, IT, business, logistics and design, the Centre offers possibilities in teaching and learning, showcasing the partnership between industry and education and provides a platform for research and a collaborative test-bed for concepts and production with industry partners and SMEs. |
| 4 | Nerve Centre | The Nerve Centre is the heart and the brain of the AMC where overall command, control and communication takes place. This is the control tower where real-time information and insights on various stages in the production process is processed and managed via operational dashboards. Critical and timely information is supplied and analysed with the latest AI and data analytic systems, allowing for immediate trouble-shooting and decision-making where necessary.  Because the AMC functions on an intricate network of information systems that provide timely information, these are well-protected and monitored by a highly sophisticated cyber security system. |
| 5 | Cyber Physical Factory | In partnership with market leader Omron Industrial Automation(to confirm if it is Omron Industrial Automation or Omron Electronics? Good to leave as Omron?), the Cyber Physical Factory showcases two different automation systems.  Reconfigurable, modular and autonomous, using new technology in robotic sensing and machine learning, the robotic cells in the system demonstrate range and capability in terms of high mix, low volume production which allow for flexibility, speed and customisation. Visitors to the centre will be able to see first-hand in real-time, products such as thumb drives or torchlights being quickly and efficiently personalized and assembled on the spot. |
| 6 | Swisslog 1 | The integration of Omron Reconfigurable Manufacturing System and Swisslog Intralologistics Automation System (IAS) at the AMC exemplifies the smooth transition between production and logistics in one facility. From the robotic cells at the production cell base, finished products are transported to the storage facility by autonomous intelligent vehicles. |
| 7 | Swisslog 2 | Automation and the use of artificial intelligence has revolutionized the warehouse of the future. The Swisslog Autostore system relies on a modular grid system of tracks, bins and autonomous robots, to efficiently carry out logistical functions of storage, tracking, handling and retrieval of small to medium size items with minimal human interference.  @Mabel: Pls look at this para. The view in the rendered still image is from CycloneCarrier direction. Autostore is not seen. To describe benefits from IAS may be more accurate. Pls work with Swisslog for consistency in msg. |
| 8 | Festo-Siemens | Here, students and adult learners alike will gain first hand practice and understanding of control and integration principles. Using industrial grade equipment (Question:-is it and an equipment or training hardware?) from German partners Festo and Siemens, students will be immersed in a real-world learning environment in the requisite skillsets in advanced manufacturing and automation. |
| 9 | Proof-of-Concept | A collaborative space where ideas, concepts are seeded and tested, this is where industry partners, MNCs and SMEs alike, can co-innovate and testbed new products and new processes in a risk-free environment.  Here, surrounded by the latest systems and equipment on the frontline of innovation, industry and academia together can continue to push the envelope in engineering and manufacturing. |
| 10 | Exit | Partnering industry to make the future possible. (Note: To sync with the closing message for PCEO interview video.  Pat, for 10 & 11 we’ll have the same sign off for Peter’s Video. Sasha will follow up with you for this) |
| 11 |  | TP Advanced Manufacturing Centre (logo mark) |