

Overview



- 1. Connected Curriculum University Targeted Offer
- 2. Siemens Apprenticeship Models
- 3. Level 6 Degree Top Up Opportunity





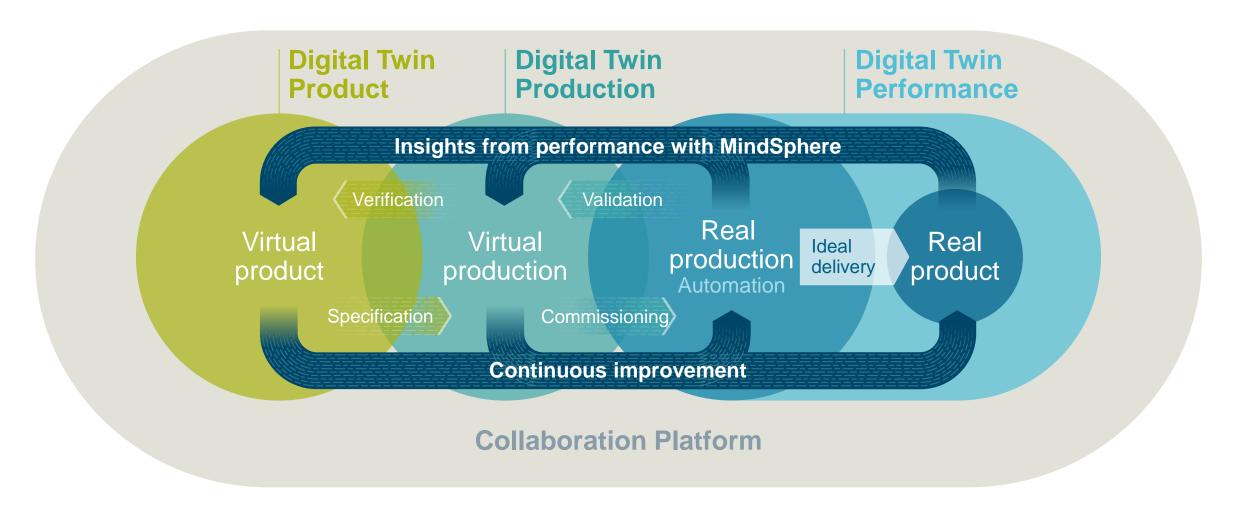


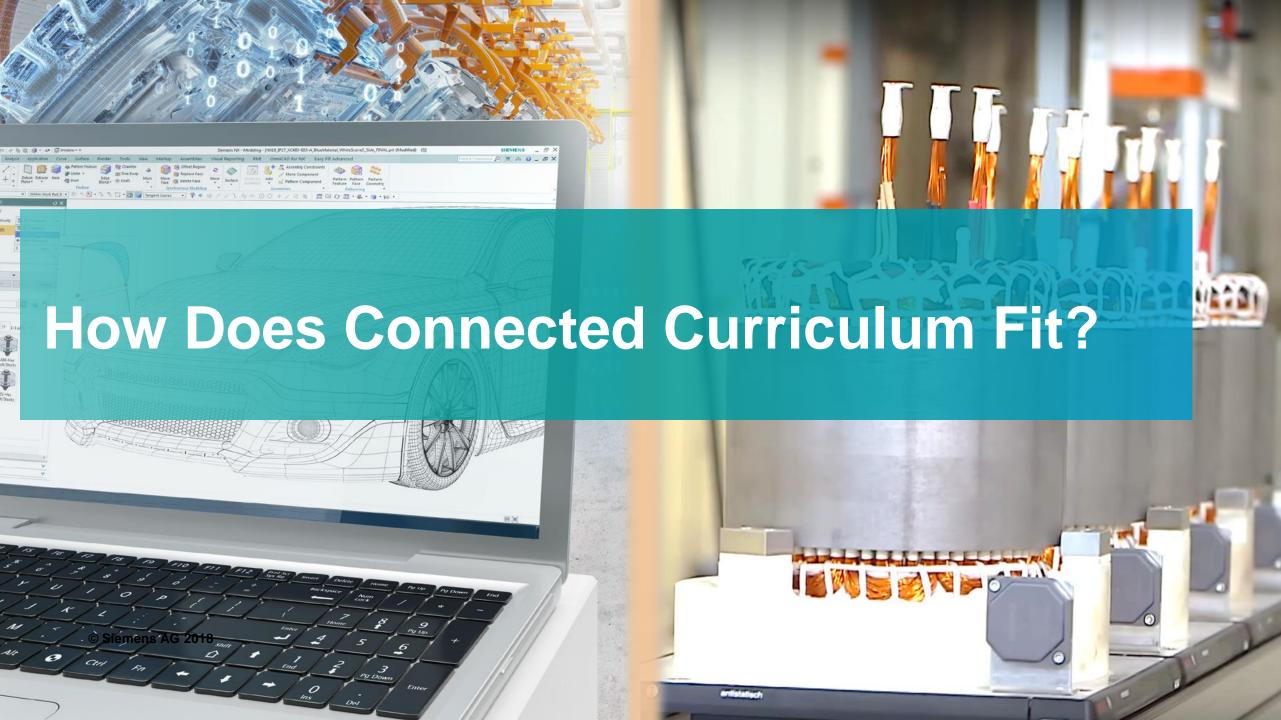




Siemens Digital Enterprise and the Digital Twin



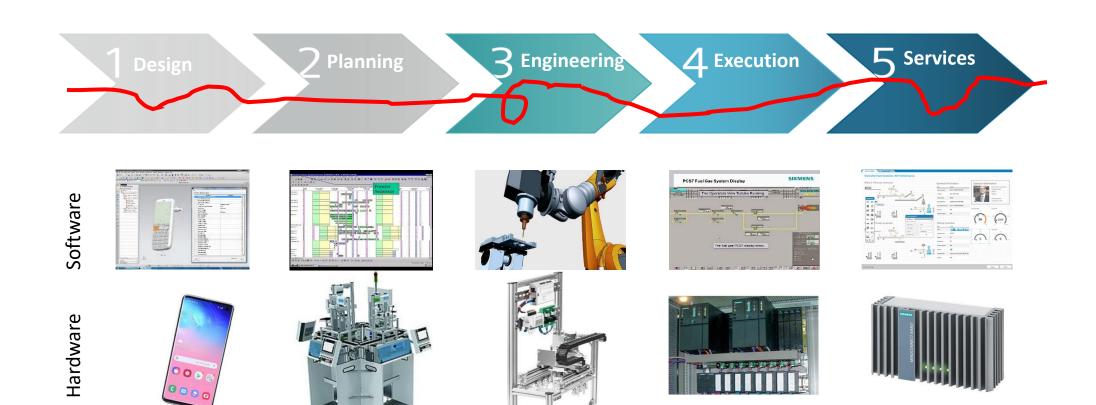








Connected Curriculum: Bringing the 'red thread' of Industry 4 technologies into academia





Connected Curriculum = H/W + S/W + Simulation + Content



Hardware

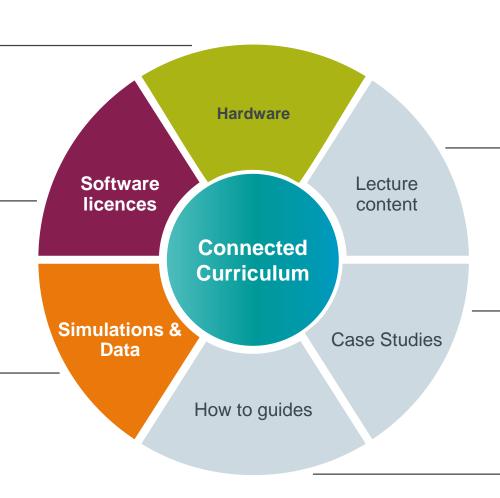
To help students physically engage with the technology (existing and through Festo partnership)

Software Licences

Bundled Academic licences for a stack of I4 Software, including MindSphere

Simulation & Data

To enable academics to develop their own approach using real industrial data and pre-made simulation



Training Slides & Videos

Over 2,000 existing pieces of content for supporting lectures

Case Studies

Real world industrial case studies

How to Guides

Support getting to grips with software, both videos and documents





Ingenuity for life



Manufacturing Systems Design - Tecnomatix

Industrial Use Case

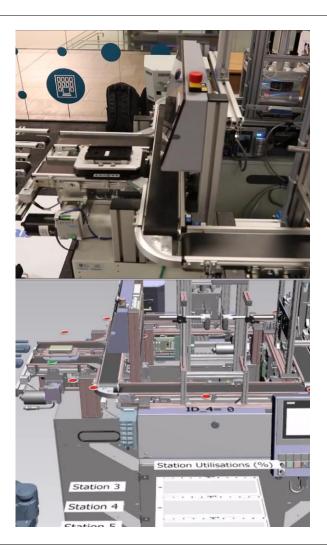
The Production Digital Twin

Festo Cyber Physical Industry 4 Equipment

Example Learning Outcomes

- Production Modelling
- Utilisation Calculations
- Optimisation Algorithms

Tecnomatix
Plant
Simulation
Model





Virtual commissioning of new machines – Mechatronics Concept Designer

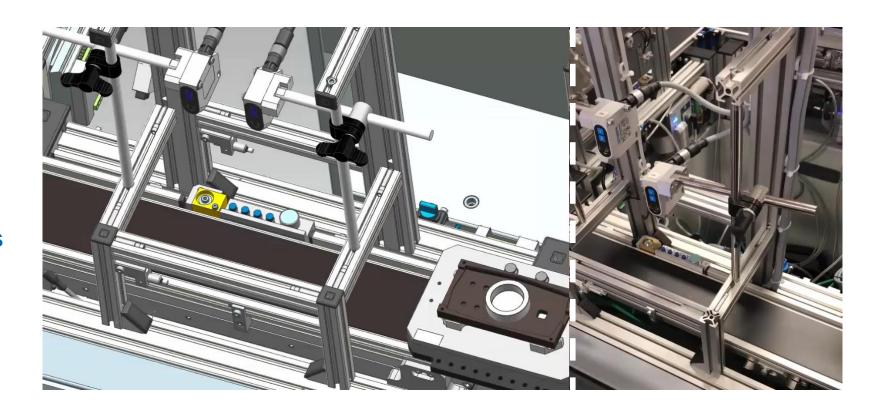


Industrial Use Case

- HW and SW Validated
- Parallel Development
- Faster Commissioning

Example Learning Outcomes

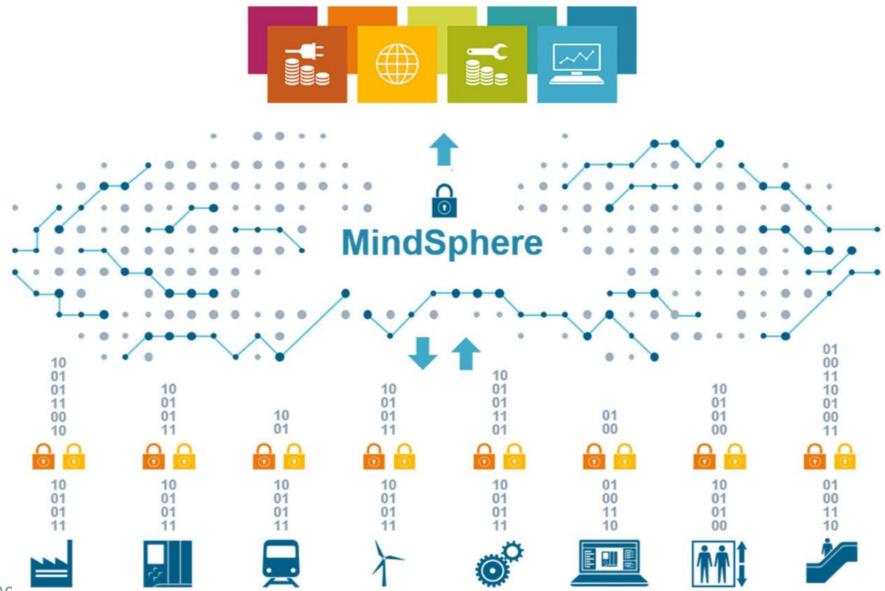
- PLC Programming
- Machine Prototyping
- Virtual Commissioning



TeamCenter



MindSphere

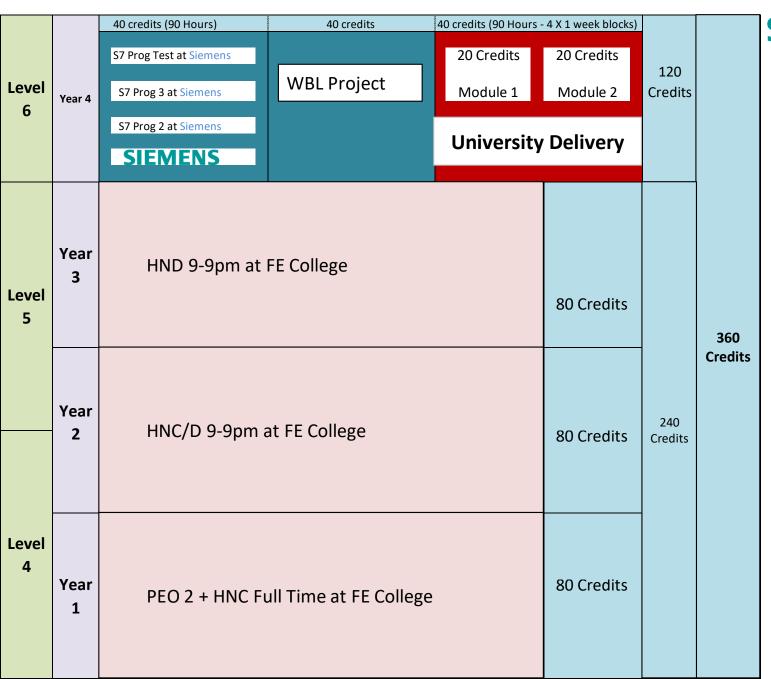


Siemens Apprenticeship Models



- Siemens Apprenticeships
 - High Quality, Significant Investment Previously L3 + HNC
- Ambition to achieve Degree Apprenticeship in same timeframe
 - Recruit candidates with good Level 3 quals
 - An FE + Siemens + University solution proposed
- This DA is comprised of:-
 - L2 PEO Full Time
 - FE HNC+D Part Time
 - Uni L6 Top Up Part Time

Siemens 4-Year Degree Apprentice Model



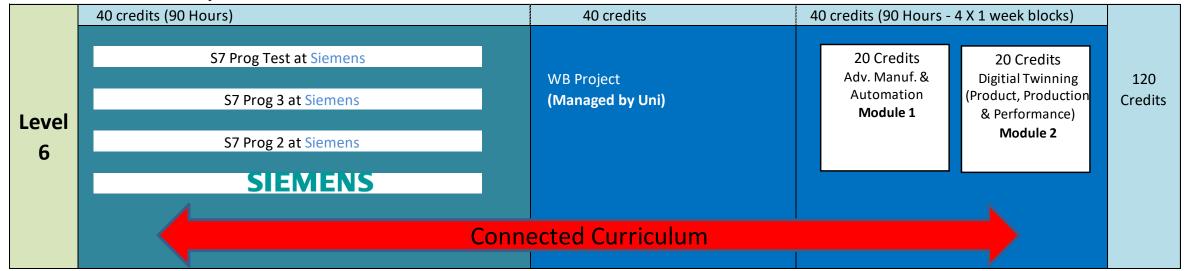
SIEMENS
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Level 6 Top Up



- L6 Top Up degree uniquely contains Siemens-certificated PLC Training
- Siemens industrial-standard PLC training very difficult for FE providers to deliver
 - Niche skills, expensive kit, staff hard to find & even harder to retain!
- PLC Training delivered at Siemens headquarters and accredited into degree

Level 6 Industry 4.0 & Automation



FE Partnership Opportunity



- L6 Top Up now offered separately to direct candidates
- Seeking FE partners who want to create a progression pathway
 - Candidates must be employed with a HNC/D to access L6 Top Up
 - Candidates should need Siemens accredited PLC training
- Partners can profile relationship in their general marketing literature
- If interested, contact <u>steven.jones.ext@siemens.com</u> 07977 490055

