

**Nanyang Technological University – Economic Development Board
Industrial Postgraduate Programme (NTU- EDB IPP)**

Project details

NTU Faculty	Asst Prof. Lin Shang-Wei
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School	SCSE
Collaborating Company	ASTM ASIA PACIFIC
IPP Project title	Developing Secure Private Blockchains for Advanced Manufacturing
Description of IPP Project	This project aims to develop a standard guideline to build a secure private blockchain infrastructure for advanced manufacturing (AM). There are five goals for this project: 1. To identify cyber attacks in advanced manufacturing. 2. To build a private blockchain infrastructure for advanced manufacturing against the identified cyber attacks. 3. To develop a standard guideline for algorithm structure for building infrastructures. 4. To analyse/verify the proposed infrastructure. 5. To develop analysis/verification standards to certify blockchains of advanced manufacturing.
Requirements	Knowledge of blockchain techniques. Experience on smart contract development.
Duration of the project	4 years