

AME & MTC Industry Alignment Fund Pre-Positioning Fund (IAF-PP)

S/N	Title of Project	Principal Investigator	Host Institution	Partner Institutions
1	Technology Centre for Offshore and Marine Operating Expenses	Chan Eng Soon	TCOMs	
2	Model Factory @ ARTC	Wang Wei	ARTC	IME, IHPC, I2R, SUTD, NTU
3	Specialty Chemicals Programme	Calum Macbeth	ICES	IHPC, NUS, NTU, NP
4	A*STAR Aerospace Consortium		Aerospace Programme Office	
5	Industrial Internet-of-Things (IIoT)	Sun Sumei	I2R	SIMTech, NUS, NTU
6	Integrated Photonics Based Gas Sensor	Navab Singh	IME	I2R, NMC, NUS
7	Industrial Internet-of-Things Innovation (I3) Platform	Phua Han Tian	ARTC	IHPC
8	Smart Automated Aircraft Visual Inspection System (SAAVIS)	Jamie Ng	I2R	IHPC
9	Pharma Innovation Programme Singapore (PIPS)	Yong Sim Seah	ICES	IME, ICES, NUS, BTI, NTU, SMART, IHPC, SIT, BII, CARES
10	Advanced Functional Polymer Particle Technologies for the Oil and Gas Industry	Ludger Paul Stubbs	ICES	IHPC, IMRE, NUS
11	Integrated Large Format Hybrid Manufacturing Using Wire-fed and Powder-blown Technology for LAAM Process	Bi Guijun	SIMTech	IHPC, NMC, NUS
12	Machine Learning Assisted Control of Metal Cold Spray and Shot Peening Processes	Sridhar Narayanaswamy & Lou Jing	IHPC	ARTC, IMRE
13	Digital Twin for Next Generation Warehouse	Lee Loo Hay	NUS	
14	Manufacturing of Lightweight Free-form Shell, Sandwich, and Hybrid Cellular Structures for Aerospace Component Manufacturing and Repair	Wong Chee Khuen Stephen	SIMTech	IHPC, NUS
15	Advanced Inter-Satellite Communication Capabilities on Small Satellite	Peng Xiaoming	I2R	NUS
16	High Performance Space-borne VDES Capabilities on Small Satellite	Peng Xiaoming	I2R	NUS, IHPC
17	Cyber-Physical Production System (CPPS)- Towards Contextual and Intelligent Response	Tan Puay Siew	SIMTech	NMC, ARTC, NTU, NUS
18	Next Generation Hyper-Personalisation Line (NGHPL)	Christopher Mason	ARTC	NUS, IHPC, I2R, SIMTech
19	Polymer Matrix Composites Programme	He Chaobin	IMRE	ARTC, IHPC, NUS, NTU, SIMTech, SUTD
20	Next-Generation V2X Network Architecture and Ecosystem for Smart Mobility	Tay Wee Peng	NTU	SUTD, I2R

21	Sustainable Hybrid Lighting System for Controlled Environment Agriculture	Ong Kian Soo	IMRE	SIMTech, IHPC, NUS, NTU, TLL
22	Accelerated Catalyst Development Platform (ACDP)	Armando Borgna	ICES	IHPC, IMRE
23	High Performance Precision Agriculture (HiPPA) System	Chua Nam-Hai	TLL	SBIC, I2R, IMRE, IHPC, SIMTech, NUS
24	Enhancing Offshore System Productivity, Integrity and Survivability in Extreme Environments (ENSURE)	Michael Si	TCOMS	IHPC, I2R, IMRE, NUS, NTU
25	Industrial Digital Design and Additive Manufacturing Workflows	Arlindo Silva	SUTD	ARTC, IHPC, IMRE, NMC, NUS
26	Direct-Write Sensors for Structural Health Monitoring	Yao Kui	IMRE	IHPC, IME, NMC
27	5G for Advanced Manufacturing and Smart Urban Solutions (5G-AMSUS)	Susanto Rahardja	I2R	-
28	Advanced Post-processing and Non- Destructive Evaluation for Additive Manufacturing	Andrew A. Malcolm	ARTC	SIMTech, IMRE, IHPC, NTU
29	Capsule Surface Affinities (Complete Life-Cycle)	Alex M. van Herk	ICES	SP, SRIS, IHPC, NTU, NUS
30	Collaborative Human Robot Inspection & Intervention System for Challenging Underwater Environments (CHRIIS)	Mandar Chitre	NUS	TCOMS, SUTD
31	Singapore's First 8-inch SiC Pilot Line Programme	Surasit Chung	IME	IHPC, NUS
32	Bridging Budget for the Technology Centre for Offshore and Marine, Singapore (TCOMS)	Allan Magee	TCOMS	
33	Bridging Budget for the National Robotics Programme (NRP)	New Ai Peng	NRP	
34	Singapore Food Story R&D Programme, Theme 2: Future Foods - Alternative Protein IAF-PP Programme	Ralph Graichen	BMRC	
35	Supply Chain (SC) 4.0 – Digital Supply Chain Development via Platform Technologies	Yang Shanshan	ARTC	IHPC, NUS, SIMTech, SUTD
36	Pharma Innovation Programme Singapore (PIPS) 2	Keith Carpenter	ICES	
37	Singapore Aerospace Programme (SAP) Cycle 15	Kelvin Seah	IHPC	
38	Advanced ROS2-native Platform Technologies for Cross-sectorial Robotics Adoption	Zhang Jingbing	ARTC	NTU, SUTD, SIMTech, I2R
39	Singapore Aerospace Programme (SAP) Cycle 16 – 18	Nelson Low	IHPC	
40	Development of High-Performance Electric Traction Module (HiPe E-TraM)	Teo Chek Sing	SIMTech	IME, IHPC, IMRE, NUS, NTU
41	Manufacturing of multi-material net-shape parts with heterogeneous properties (MMNH)	Chua Beng Wah	SIMTech	ARTC, IHPC, IMRE, NUS, NTU
42	Metal AM Powders: Reusability, Rejuvenation, Cost, Quality & Performance (RRAMP)	Saritha K Samudrala	ARTC	SIMTech, IHPC, IMRE, ISCE2, NUS, NTU
43	Machine Learning Guided Failure Analysis & Diagnostic Capability Development for Next Generation 3D-IC Packaging (3D-IC)	Thean Voon Yew, Aaron & Lim Yeow Kheng	NUS	I2R, IMRE

44	Low-Voltage Bias GaN-on-Si for Mobile Applications	Ng Geok Ing	NTU	IME
45	Biologics Pharma Innovation Programme Singapore (BioPIPS)	Koh Boon Ting	BTI	-
46	Development of Electric Vertical Take-Off and Landing (eVTOL) Aircraft in Singapore	James Wang	NTU	SIMTech, IMRE, IHPC
47	Distributed Smart Value Chain (DSVC)	Tan Puay Siew	SIMTech	-
48	Singapore Battery Pack Programme	Anshuman Tripathi	NTU	IHPC, I2R, SUTD, IMRE, NUS, SIMTech

The information is accurate as at the point of award.