

Appendix – Information on the nine participating start-ups in GITEX North Star Expand

	Introduction of startups
1	Alcarbo Technologies Limited is a climate action biotechnology company dedicated to providing innovative carbon capture solutions. Its cutting-edge algae photobioreactor system captures carbon dioxide and transforms it into valuable products. Leveraging microalgae's remarkable carbon fixation capabilities, Alcarbo Technologies Limited's system taps into nature's efficiency to combat CO2 emissions effectively.
2	Blue Pin provides seamless and intelligent smart hotel solutions, including self-check-in, instant payment, and key card retrieval services, significantly enhancing guest experiences and optimising hotel operational efficiency. As a certified partner of multiple Property Management System (PMS) companies, Blue Pin collaborates with major PMS like Oracle and Infor, as well as hotel groups such as IHG. Its smart solutions are compatible with various payment gateways and key card encoders, flexibly meeting diverse business needs. Currently, Blue Pin's Guest Service Robot system is implemented in over 70 hotels across 8 regions and 17 cities, covering more than 40,000 rooms, demonstrating exceptional scalability and market recognition. Blue Pin also focuses on regulatory compliance, offering services to Singapore's E-Visitor Authentication, China's Ministry of Public Security, and Macau's Public Security Police Force (CPSC). This helps ensure a seamless cross-border deployment, i.e. the smooth setting up and implementation of Blue Pin's smart hotel solutions across different regions or countries. This renders Blue Pin a preferred partner for hotels seeking global intelligent solutions.
3	Discarbonery Technology Limited uses a proprietary manufacturing process to produce glassy carbon crucibles and electrodes at 90% lower cost than that of traditional methods while outperforming them in durability and conductivity. With partnerships like PolyU and MetaLenX, and accolades including the Silicon Valley International Invention Gold Medal, Discarbonery is scaling to disrupt an import-dominated global market in semiconductors, energy storage and precious metals.
4	Eieling Technology Limited is a leader in medical ultrasound solutions, specialising in portable liver elastography diagnostics. With innovative products like Liverscan® for liver fibrosis detection and FattaLab® for fatty liver assessment, Eieling aims to revolutionise chronic liver disease management. Eieling is dedicated to precision health technologies globally.

5	eSIX helps enterprises turn public 5G network into private fiber network, freeing up all wired networks in a smart city setting. Its unique technology known as IPfiber aims to replace all the wirings with wireless 5G technology. The technology helps minimise delays in receiving and processing signals after sending, and the need for setting up and configuring the necessary hardware, software, or infrastructure to make the system technology operational. The Software-Defined Metro (SDM) networking system has been deployed in various businesses and organisations such as port management, convenient stores and automotive, saving millions of dollars in IT infrastructure cost as well as maintenance cost.
6	LeafIoT Technology Limited offers an IoT- and AI-driven tree health monitoring and risk-assessment system that combines real-time “heartbeat” sensors with annual 3D LiDAR scanning to predict failures, simulate trimming impacts, and provide early warnings. Its blockchain-enabled platform ensures transparent carbon reporting and includes insurance protection against extreme weather, with over 13,000 systems monitoring more than 30,000 trees across government, residential, educational, and theme-park sites. Deployed in Japan, Singapore, Indonesia, Mainland China, and the UK—and now expanding into North America—LeafIoT empowers data-driven urban forestry management for safer, greener cities.
7	Mirror Caring Limited ’s flagship product, SyncKNEE, is a lightweight, water-like smart brace that combines disposable sensor patches with durable electronics to deliver multi-modal knee health analysis. Designed specifically for osteoarthritis prevention and rehabilitation, it provides comfortable long-term wearability and comprehensive performance insights far beyond conventional knee guards.
8	Nexrehabs Limited is an awarded holistic telehealth company. It’s flagship product, ORAR, is an AI powered digital health platform offering specialty digital therapies and diagnostics for stroke, dementia, aphasia, and upper body/oral motor rehabilitation. It delivers real time visual and audio feedback, gamified exercises, and personalised care plans via elderly friendly interfaces—eye tracking and voice recognition—to support therapists, caregivers and patients. By combining scalable telehealth tools with community driven workshops and partnerships across academia and NGOs, ORAR bridges the digital divide in elderly care and promotes intergenerational medtech innovation, offering the elderly a more convenient, intelligent and humanised medical solution.
9	UbiquiTech Innovations develops advanced autonomous robots for smart city and industrial applications. Its flagship product, the PolyPi Robot, combines Edge-AI defect detection, deformable mechanics, and integrated cleaning functions to inspect and maintain complex pipeline environments—including curved, underwater, and damaged ducts. With real-time localisation and autonomous navigation, PolyPi supports safer and more efficient infrastructure management.