

INNOPARK and MARS Centre

Facts at a Glance

INNOPARK Strategic Value

- HKSTP's Industrial Estates (IEs) in Tai Po, Yuen Long and Tseung Kwan O were established in 1978, 1980 and 1994 respectively, serving as manufacturing bases for businesses and industries.
- Approaching 20 years of propelling innovation and success, HKSTP has re-positioned the three IEs in Tai Po, Tseung Kwan O and Yuen Long as the newly-branded “**INNOPARK**” to fuel high-potential sectors like advanced manufacturing, micro-electronics and biotechnology for a new generation of industry. By attracting high value-added, high technology content and advanced processes, HKSTP seeks to bring Innovation and Technology (I&T) into the industrial community in the three INNOPARKs.
- The three INNOPARKs are realising a vision of re-industrialisation for Hong Kong. HKSTP is committed to driving efficient use of existing land resources in the IE sites through the development of purpose-built premises to support tech-driven R&D and smart manufacturing activities for a wide range of forward-looking industries.
- The three INNOPARKs will help industrialists and pioneers accelerate their research into innovation-driven manufacturing or ‘**innofacturing**’ and market-ready offerings, forging new paths for “**Innovated, Designed, and Made in Hong Kong**” creations to proudly take shape and change the world.
- The **eight Re-industrialisation Guiding Principles** for INNOPARKs include:
 - Output as to economic value-add contribution;
 - Investment in capital expenditure for equipment together with fit-out or building construction;
 - High-skilled employment creation;
 - Advanced technology content or novel application in products or services;
 - Advanced process applied in the manufacturing of products or delivery of services;
 - R&D activities and capabilities;
 - Local consumption for stable supply chain;
 - Sustainability in terms of business, environment or resources.

Features

- A total site area of about 217 hectares with approximately 27,700 working population
- **Purpose-built facilities/ buildings** with a total gross floor area (GFA) of 198,898 square metres, which include:
 - **Precision Manufacturing Centre (PMC)**
 - **Data Technology Hub (DT Hub)**
 - **MARS Centre**
 - **Advanced Manufacturing Centre (AMC)**
 - **Microelectronics Centre (MEC)**

MARS Centre


The inception of MARS Centre (MARS) at HKSTP's Tai Po INNOPARK will strengthen the local capacity for supplying personal protective equipment in the future. This refurbished industrial building is dedicated to supporting manufacturing of medical accessory resilience supplies, medical equipment, materials and health products. Such products demand superior levels of precision, hygiene and higher quality at all levels of the production cycle. MARS is tailored for aspirational industrialists keen to leverage Hong Kong's world-class R&D, high-skilled talent and international standards to run critical processes and scale up production for the GBA, Asia and the world.

With a total gross floor area (GFA) of 18,629 square metre, MARS has very specific features that are "build-to-fit" for Industry. For example:

- Certified ISO-8 clean rooms
- Compressed air supply
- 24-hour AC chilled water supply
- Industrial 3-phase power supply
- Epoxy Floor
- Floor loading of 7.5 kPa for industrial equipment

MARS is one example of new high-quality infrastructure and facilities at HKSTP INNOPARKs, which are indispensable for promoting re-industrialisation. HKSTP continuously listens to the industry to support their needs for high-specification space and facilities. The forthcoming Advanced Manufacturing Centre (AMC) at Tseung Kwan O INNOPARK and Microelectronics Centre (MEC) at Yuen Long INNOPARK will further drive ground-breaking research to innovation-driven manufacturing or 'Innofacturing' and through to market-ready offerings.

Current 11 MARS tenants include:

<p style="text-align: center;">CareHK Limited (https://www.carehk.com/)</p> 	<p>CareHK was established in Feb 2020 to aid local citizens to fight the Covid-19. With the support of industrialists and directors with over 30 years' experience, the commissioning of the surgical mask manufacturing machine was completed in two weeks and started production in an ISO 14644 clean room by end March 2020.</p> <p>Its products such as surgical masks for adults & children are produced under the ISO 13485 Quality Management System, and recognized with ASTM Level 1, 2 and 3 compliant and Q mark, as well as ISO 10993. The result has been to meet public demand for masks at an affordable price.</p> <p>CareHK's mission is to continue providing safe, hygienic and reliable protective device with the highest standards.</p>
<p style="text-align: center;">CATALO (https://www.catalo.com/hk/)</p> 	<p>CATALO, a leading brand of premium natural health foods, will pioneer industry 4.0 smart production technology in upcoming manufacturing projects in Hong Kong.</p> <p>CATALO plans to work with local universities on research and development to launch personalized products and further increase production efficiency.</p> <p>Leveraging this opportunity to tap into the Greater Bay area, CATALO strives to continue bring the best quality natural health supplements to consumers and be a successful example of "Re-industrialisation in Hong Kong".</p>

<p>Chung Hong Biological (HK) Limited (http://loyaltymedicalcentre.com/)</p>	
<p>Made in  Hong Kong</p> <p>E+PLUS</p> 	<p>Chung Hong Biological (HK) Ltd. was established in 2015. It is an enterprise established in Hong Kong by the national high-tech leader AVIC. It has expanded and established business contacts with overseas biotechnology companies, while integrating advanced biological and cell therapy technologies from various countries, which benefit customers at home and abroad.</p> <p>Since 2020 and due to the epidemic, in the spirit of serving the people of Hong Kong, a production line has been established to provide Hong Kong with high-quality anti-epidemic products such as face masks and disinfectants.</p>
<p>Emerging Viral Diagnostics (HK) Limited</p>	
	<p>EVD develops Innovative, Automated Multiplex Point-of-Care Diagnostic Systems for detecting up to 40 Infectious Respiratory Diseases in a Single Test.</p> <p>With a single test, the all-in-one, fully automated diagnostic system can detect up to 40 pathogens, including COVID-19 and severe acute respiratory syndrome coronavirus (SARS-CoV), in around an hour. New technologies adopted by the system significantly enhance the reliability of test results, in terms of both sensitivity and specificity, while bringing substantial cost-saving, making it easier for wide adoption. Developed by forward-thinking multidisciplinary local scientists and experts, these achievements represent a true technological breakthrough and provide a valuable solution to a long unmet medical need.</p>

GeneHarbor (Hong Kong) Biotechnologies Ltd.

(<http://www.geneharbortech.com.hk/>)



Geneharbor was established in Hong Kong in 2004. The company is committed to the development and deployment of new biocatalysts (enzymes) and their large-scale commercial applications in various industrial walks.

The company's headquarters and R&D centre are located in Hong Kong Science Park, with three large factories in Yuyao, Ningbo and Changshu, Suzhou. The company has established a world-leading synthetic biology platform of original innovation. In the past few years, it has harnessed the platform to successfully industrialise the production of over ten products including glutathione, adenosylmethionine and NMN at low cost of high quality. Since the launching of anti-aging product NMN 4 years ago, the sales of the NMN has increased over one hundred times.

Koln 3D Medical Manufacture Limited

(<https://medical.koln3d-tech.com/>)



Bridging the expertise of doctors and bioengineers, KOLN 3D employs the latest AI and robotic technologies to produce patient-specific medical devices, including bone implants, surgical jigs, guides, and customised instruments.

KOLN 3D takes in initiative in revolutionising the industry, setting up exemplar perimeters for quality control, ensuring the safety and sustainability of its products and manufacturing process.

It is a locally based company with a global outreach, collaborating with academic and medical institutes in Europe, Asia, and China, to explore the possibilities of 3D printing, extending its clinical application beyond orthopaedics and continuously improving surgical outcomes.

Marine Essence Biosciences (Hong Kong) Limited

(<https://mebioscience.com/>)



Marine Essence Biosciences (Hong Kong) Limited is headquartered in California, USA, with branches in many places around the world.

Cooperating with world-famous universities and research institutions, it has a number of exclusive patents and focuses on the development of medical products, skin care products, health products, innovative marine drugs and marine energy exploration technologies connected with sea cucumber. At present, it is the largest sea cucumber collagen raw material manufacturer in the world, with leading technical and scale advantages.

Shan Ho Asia Pacific Limited

(<https://www.gdmask.com/#/>)



Shan Ho Asia Pacific Limited, a Hong Kong based mask manufacturer has started the Good Mask brand in Hong Kong to help society fight the epidemic.

Committed to building a high performance clean-room mask factory with an investment of US\$4 million, it has established a factory of over 40,000 square feet in the Tai Po Industrial Estate. It is equipped with 20 fully automated production lines with a daily output of 1.5 millions medical masks and ergonomically-designed 3D medical masks. The factory is qualified with an ISO14644-1 Class-8 clean-room, and the ISO13485: Quality Management System for Medical Devices. It is managed and operated by a team of industry professionals who oversee operation, production, logistics, customer services and quality control to ensure each process will maintain the highest standards. It has obtained an approval from The HK Trade and Industrial Department reflecting its professional quality levels.

Shen Nong Biomass Technology (Hongkong) Co. Ltd.

(<http://www.shen-nong.com/eng/front/index.html>)



Fontaine Violette is a brand of sanitizing and cleaning products manufactured in Hong Kong and founded in 2020 by Shen Nong Biomass Technology (Hongkong) Co. Ltd.


Fontaine Violette combines the latest Japanese patented electrolysis technology with tests and studies, to produce in Hong Kong a brand of highly effective and safe pH12.5 alkaline ionized solution. The solution is marketed in different formats and can be widely used for sanitizing and cleaning in personal, household and institutions settings. The brand mission is to continually promote personal hygiene and sanitizing habits through sustainable and safe products, to build a safer and more desirable environment for the next generation.

SPRO Medical

(<http://spro.medincn.com/>)



SPRO Medical is a world-class leading mask manufacturer and an innovative advocate of global medical consumables. After a series of tests and experiments, it has successfully developed a disposable mask that is composed of PLA. This mask possesses identical protection as standard surgical mask and could be 90% decomposed in 130 days. This product is named "Zero" so as to signify the goal and desire to bring "Zero" burden to our planet.

Time Medical Limited (https://www.time-medical.com/)	
	<p>Time Medical pursues global scientific, technological and clinical excellence to develop the world's most sensitive medical imaging systems for early detection of major diseases. Time Medical focuses on developing Next Generation MRI, which could potentially transform the MRI industry.</p> <p>IMAGING for ALL: To develop 3A (Advanced, Accessible, Affordable) medical imaging solutions to serve the world's 4 billion population without access to diagnostic services.</p> <p>IMAGING for MORE: To develop new innovative technologies in the 3B imaging services (Baby, Breast and Brain) to meet the 21st century needs in global healthcare.</p>

(Download product images from the 11 MARS tenants at <https://bit.ly/30TXSTA>)