

Overseas Training to Italy on Textile Industry 4.0 and Advanced Manufacturing Technologies for the Smartification of Factory

CONNECTION TECHNOLOGY 裝備未來
FUTURE SKILLS

Course Fee: HK\$42,000 (May apply up to HK\$28,000 subsidy)

*Maximum saving, with the final grant subjects to approval.



HKPC Academy is organising this overseas training for Hong Kong SMEs to acquire knowledge and experience about textile industry 4.0 and advanced manufacturing technologies with application of real-time data collection, robotics, internet of things and predictive maintenance. Through learning from the Italian companies and institutes, SMEs can prepare better for the technological advancement of the smart factory and re-industrialisation.

Date and time	4-11 June 2023
Venue	Prato & Milan, Italy
Medium	English
Quota	Limited to 30 participants
Course fee	HK\$42,000 *Supporting organisers can earn HK\$1,000 discount
Deadline	12 May 2023

Introduction

Italy is the home to some of the world's most famous fashion brands and occupies a special niche in the global market of fashion and clothing. The turnover of the Italian textile and fashion industry was around 56 billion euros in 2019. Under the heading of textile industry 4.0, many physical and digital technologies are converging through analytics, robotics, artificial intelligence, digitisation, and the internet of things. These technologies are creating digitalised factories that can communicate, collect and analyse data on machines enabling faster, more flexible, and more efficient processes, which will help produce high-quality goods at lower costs and realise customisation manufacturing in the shortest time possible. In addition, advanced manufacturing technologies including automated vision quality inspection and smart warehouse can also enhance the level of productivity and efficiency to quality.

In this training course, participants would be able to learn from the leading enterprises and research centers in Italy, exploring the application of industry 4.0 and advanced manufacturing technologies in the high value-added manufacturing process of textile industry.

This course is subject to approval under the Reindustrialisation and Technology Training Programme (RTTP) with up to 2/3 course fee reimbursement upon successful applications. For details: <https://rttp.vtc.edu.hk>.

Date	Time	Activities
4 June (Sun)	Late Night	Depart from Hong Kong, China to Florence, Italy
5 June (Mon)	AM	Arrive in Florence, Italy
	PM	<p>Workshop of “Data Monitoring And Control Systems For Textile Industry” in Computer House</p> <ul style="list-style-type: none"> Real-time data collection and production scheduling of textile production line Logistics management systems and supply chain management in textile industry
6 June (Tue)	AM	<p>Workshop of "Industry 4.0 In Manufacturing Dyeing" in L.A.I.P.</p> <ul style="list-style-type: none"> Demonstration of fabric dyeing process with Industry 4.0 configuration and automated. Demonstration of dyeing process for knitted and woven, silk, wool and velvet fabrics with Industry 4.0 configuration
	PM	<p>Workshop of “Textile Industry 4.0” in Camozzi Research Center</p> <ul style="list-style-type: none"> Demonstration of future automation and industrial process control for textile industry Case study of industrial automation, robotics, predictive maintenance and intelligent process
7 June (Wed)	AM	<p>Workshop of “Automation And Vision Systems For Textile Industry” in Erhardt+Leimer</p> <ul style="list-style-type: none"> Demonstration of comprehensive control and inspection systems for web automation in the textile sector, textile industry Case study of detection systems are essential for textile production processes
	PM	<p>Workshop of “Automatic Handling And Warehousing Of Textile Industry” in Salmoiraghi</p> <ul style="list-style-type: none"> Demonstration of integrated systems for automated handling and warehousing of textile industry Case study of Auto-warehouses management Case study of overhead transport systems
8 June (Thu)	Full Day	<p>Market Research at Textile & Garment Technology Exhibition of "ITMA 2023" in Milan</p> <ul style="list-style-type: none"> Application of advanced material for functional modifications of fiber, yarn and fabric Application of innovative manufacturing process for fabrication of functionalisation of materials and smart textile Innovative digital and 3D printing applications on textiles

9 June (Fri)	Full Day	<p>Market Research at Textile & Garment Technology Exhibition of "ITMA 2023" in Milan</p> <ul style="list-style-type: none"> • Application of robotics and Industry 4.0 for automation and digitalisation in textile manufacturing processes • Able to experience in advanced textile manufacturing process on minimising the carbon footprint of chemical treatment, improving dyehouse output treatment, achieving safe and sustainable chemistry
10 June (Sat)	Full day	<p>Workshop of "Digitisation Handling And Warehousing Of Textile Industry" in Marzoli-Textile Engineering</p> <ul style="list-style-type: none"> • Demonstration of future automation and industrial process control for textile industry • Case study of digitisation system to optimise the spinning process and monitor key KPIs using real-time information about productivity ratios, efficiency, quality and quantity levels as well as the composition of waste <p>Depart from Milan, Italy to Hong Kong, China</p>
11 June (Sun)	PM	Arrive in Hong Kong, China

*Itinerary subject to change without prior notice

Payment details

Training Fee: HKD\$ 42,000 [Member of Supporting organiser: HKD\$ 41,000]

This training is an applying Reindustrialisation and Technology Training Programme (RTTP) training course application. It aims at subsidising local companies on a 2:1 matching basis to train their staff. If successful, eligible applicants can be reimbursed up to 2/3 training fee!

^ *Additional charge for single room: HK\$6,000*

Training fee includes:

Air fares (economy class) with taxes & security charge, hotel accommodation on twin room basis and inland transportation, entrance fee of ITMA 2023.

Enrolment method

To enroll, please complete the enrolment form and send it by email to: waynechen@hkpc.org or call 2788 5523 for registration or enquiries, then send the completed form together with the appropriate fee to **SMD, 5/F, HKPC Building, 78 Tat Chee Avenue, Kowloon Tong, Kowloon, Hong Kong (Attn: Dr Wayne CHEN)** on or before **12 May 2023**. Enrolment received after deadline will be processed subject to availability. All cheques should be crossed and made payable to Hong Kong Productivity Council. Please also write down the Training name at the back of the cheque.