

CONCEPT NOTE

INDUSTRY 4.0 – SUSTAINABLE MANUFACTURING IN THE AREA OF DIGITALISATION AND ROBOTICS

KUALA LUMPUR, 7TH FEBRUARY 2018
VENUE: JW MARRIOT, MAIN BALLROOM

The pace of technological development continuously changes the conditions for industrial competitiveness. To remain competitive in a global market, companies must be at the forefront of the digital transformation and adopt sustainable production methods. Expertise and innovation skills are crucial to achieve this.

Background

Digitalisation is resulting in enormous opportunities to develop a new, smarter and more sustainable industrial sector. The sweeping changes that increasingly sophisticated digital technologies bring with them have given rise to the term **the fourth industrial revolution**. Following the steam engine, electricity and electronics, embedded and connected systems are now on their way to revolutionising industry; when things can be connected to the internet and communicate with their surroundings and when the boundary between the real and the virtual is erased.

In the smart factory, machines and components can communicate with each other. The development is moving towards self-regulating production that can be adapted to individual customer demands and that optimises the flow by, for example, identifying maintenance requirements at the right time. Automation is an important component of the smart factory. Sophisticated robotics is creating increasingly advanced robots at lower prices. Additive manufacturing technology (known as 3D printing) is one further example of a technology that can revolutionise production by offering profitable production even at a small scale and making it possible to create individualised products to order.

It is not only production that is becoming smart, the products are as well. The Internet of Things involves various products equipped with sensors and inbuilt systems that are connected to the internet, enabling them to communicate with their surroundings. At the same time, a mass of operational and user data is being created that has major potential to be used in product development and to be transformed into new smart services. The significance of fast and effective data analysis will in the future gain an ever more important role in the industrial sector's business models and its competitiveness.

Sweden has benefited from its openness towards the rest of the world, which has opened up a large market. Simultaneously it has challenged the industrial sector to undergo constant renewal and structural transformation in order to cope with global competition. Swedish industry has also demonstrated the feasibility of using modern technology to transform environmentally unsustainable production processes.

Objectives

The objective with the session is for the Swedish experts and Southeast Asia manufacturers to exchange experiences and share information on how to cope with the more demanding global market by adapting sustainable models and technologies.

PRELIMINARY AGENDA

INDUSTRY 4.0 – SUSTAINABLE MANUFACTURING IN THE AREA OF DIGITALISATION AND ROBOTICS

KUALA LUMPUR, 7TH FEBRUARY 2018
VENUE: JW MARRIOT, MAIN BALLROOM

08:00 – 8:45 Registration

08:45–09:45 Introduction and Keynote Speech on Smart Cities and Digitalisation

Introduction:

- Mr Imran Ahmad, Director in Khazanah Nasional Office of the Managing Director

Keynote speakers:

- Mr. Sven Törnkvist, Head of Digital Business Development at EQT
- Mr. Martin Glaumann, Regional Manager Southeast Asia Business Sweden (“The smart and sustainable cities of the future – global and regional perspectives”)

09:45 – 10:00 Coffee Break

10:00 – 12:30 Industry 4.0: Digitalisation

Key note presentations followed by panel discussion

Tentative speakers:



- Mr Erik Josefsson, Head of Advanced Industries, IoT Ecosystems and Use Cases



- Mrs Elisabeth Åbom, Head of Airframe development, Aeronautics



- Mr RS Senthil, Area Manager, Services & Solutions Asia



- Mr Todd Abraham, Director Business Development ASEAN



- Mr Olof Hedin, Chief Digital Officer

12:30 – 14:00 Networking Lunch

14:00 – 16:30 Industry 4.0: Factories of the future and sustainable solutions

Key note presentations followed by panel discussion

Tentative speakers:



- Mr. Martin Högberg, Head of Digital Solutions, Control Technologies Asia Pacific



- Mr Dereck Devlin, General Manager Malaysia and Singapore



- Mr. Bernd Vogel, Global Chief Technology Officer



- Mr. RS Senthil, Area Manager, Services & Solutions Asia