

**TRAINING SEMINAR ON RENEWABLE ENERGY**  
Renaissance Hotel Kuala Lumpur, 29<sup>th</sup> June – 1<sup>st</sup> July 2011

**Day 1 – 29<sup>th</sup> June 2011 (Wednesday)**

Morning Session – Opening ceremony  
Venue: Ballroom A (1<sup>st</sup> Floor, Convention Centre)

<b>Time</b>	<b>Programme</b>
09.00-09.30am	<b>Registration</b>
09.30-09.40am	<b>Welcome remark</b> - Dr.Andrea Ambra, Italian Trade Commissioner
09.40-09.50am	<b>Remark</b> - H.E Folco de Luca Gabrielli, Ambassador of Italian Embassy
09.45-10.10am	<b>Keynote speech by Guest of Honour</b> - YB Pn. Noriah Kasnon, Deputy Minister, Ministry of Energy, Green Technology and Water (KeTTHA)
10.10-10.25am	Appreciation token +VIPs Photo Session
10.20-10.45am	Tea Break
10.45-11.15am	<b>Italian expert presentation: Ing. Federico Tunzio</b> Overview of the Italian presence, direction and achievement in the renewable energy and green technology industry
11.15-11.45am	<b>Malaysian expert presentation: Representative from Malaysian Green Technology Corporation</b> Overview of the Green Technology Industry in Malaysia
11.45-12.30am	<b>Q&amp;A Session</b>
12.30-14.00pm	<b>Lunch</b>

Afternoon – Seminar session (Speaker: Ing. Carlo Figà Talamanca)  
Venue: Function Room 5 & 6 (G floor, Convention Centre)

<b>Time</b>	<b>Programme</b>
13.30-14.00	<b>Registration</b>
14.00-15.00pm	<b>Innovation and technology transfer to address climate change</b> - Access to new technologies by developing countries (with reference to intellectual property)
15.00-16.00	<b>Carbon Finance</b> - Overview, opportunities and procedures to access “carbon credits”. Opportunities to access carbon finance for small development projects.
16.00-16.15pm	Tea break
16.15-17.15pm	<b>Hybrid Power Systems</b> - An efficient solution to provide sustainable energy supply in rural and isolated areas
17.15pm	<b>Group Photo +End of the session</b>

Day 2 – 30<sup>th</sup> June 2011 (Thursday)

Morning session: Ing. Carlo Figà Talamanca  
Afternoon session: Ing. Federico Tunzio  
Venue: Function Room 5 & 6 (G Floor, Convention Centre)

**Biomass/Biomass Energy**

Time	Programme
09.00-09.30am	Registration
09.30-10.00am	<b>Overview of Malaysia Biomass Industry</b> - Dato' Leong Kin Mun, Biomass SP, Malaysia
10.00-11.15am	<b>Forest management and community forestry</b> - Sustainable forest management by local communities for the production of biomass fuel (Fuel-wood used by industry for power generation and used for the production of charcoal in rural areas) and agro-forestry (sustainable higher exploitation of forests by installing agro products plantations inside tree plantations)
11.15-11.30am	Tea Break
11.15-12.45pm	<b>Biomass – Char-briquettes</b> - Charcoal production from organic biomass waste (agricultural, industrial and urban waste) – utilization of a new more efficient charring technology and industrialisation of the process.  <b>Biomass – Green Charcoal</b> - Production of more efficient charcoal (Japanese technology), to produce charcoal with a 30% higher carbon content compared to charcoal produced with traditional techniques, at the same amount of wood used.
12.45-14.00 pm	Buffet lunch
14.00-15.30 pm	<b>Biomass to energy</b> Generality, definition of biomass, chemical and physical aspects, characterization and classification of the biomass. Aspects of biomass energy technologies and case studies: - anaerobic digestion - biomass combustion - biomass pyrolysis - biomass gasification
15.30 15.45pm	Tea Break
15.45-17.15pm	<b>Waste water treatment technologies</b> Organic waste water and anaerobic digestion, and environmental aspects of wastewater treatment technologies: the problem of nitrates
17.15pm	Group Photo +End of the session

**Day 3 – 1<sup>st</sup> July 2011 (Friday)**

Speaker: Ing. Federico Tunzio  
Venue: Function Room 5&6 (G Floor, Convention Centre)

Solar Energy Conversion

Time	Programme
09.00-09.30am	Registration
09.30-11.15am	<b>Solar energy, solar radiation and solar energy captured</b>
11.15-11.30am	Tea Break
11.15-12.45pm	<b>Photovoltaic effect, the direct conversion of solar energy into electricity</b>
12.45-14.30 pm	Buffet lunch
14.30-16.00pm	<b>New technologies in the field of materials for the production of photovoltaic cells</b> - Photo Voltaic technology, plant and central PV
16.00-16.15pm	Tea Break
16.15-17.45	<b>Economic and financial returns on solar thermal and photovoltaic technologies in Malaysia scenario</b>
17.45pm	Group Photo +End of the session

## **Speakers' profile**

### **1. Ing. Carlo Figà Talamanca**

He is master graduate in Business Engineering and a Bachelor Degree in Industrial Engineering, both from the University of Rome "Tor Vergata" (ITALY), in 2003 and 2002.

After a short experience in Ericsson Telecommunications in 2002, he entered the consulting business in 2003, working for the international technology transfer consulting group INNOVA S.p.A. (ITALY). As Project Manager, he led several European R&D and international cooperation projects on the topics of renewable energy and ICT (Information and Communication Technologies). In 2005 he was appointed CEO (Chief Executive Officer) of Innova Consulting Group Inc. in Boston, the USA branch of the INNOVA group, where he led the company business of technology transfer in international projects with Europe, United States and Latin America. In 2008 he undertook his career as freelance consultant, keeping collaboration with Innova S.p.A. Since 2010, he works in Cambodia for GERES (Group Energies Renouvelables, Environnement et Solidarités) a French NGO dealing with the issues of energy, environment and sustainable development. At the same time he works as lecturer of Communication Studies at Built Bright University (Sihanoukville - CAMBODIA).

During his professional career, he has acquired a strong expertise in technology transfer, sustainable development, project management, renewable energy and ICT, participating therefore as speaker/trainer in conferences and seminars in Europe, USA, Latin America and Asia.

### **2. Ing. Federico Domenico Tunzio**

He graduated at the upper middle of the Industrial Technical Institute A.volta di Frosinone and after that enrolled at the Faculty of Engineering, University of Cassino.

In 2002, he won the competition for the PhD in seventeenth Cycle Civil Engineering and Mechanics that will deepen the knowledge of innovative energy systems, with particular preference for fuel cells, and studies on exergetic balances. In 2005, he was officially commissioned for the construction of a laboratory for the gasification of biomass.

From 2001 to 2009 he cooperated with Prof. Spazzafumo and Prof. Cicconardi of Cassino University to hold seminars on Special Machines and Power Systems, Renewable Energy, Energy Conversion (now known as hydrogen energy system, machine interaction with the environment).

From 2005 to 2010 he held a course in Low Environmental Impact Energy Systems, which was strongly related to renewable energy (solar,

biomass, hydro, wind), for the Faculty of Engineering, Land and Environment at Frosinone Pole.

From 2008 to 2010 he taught interaction between Machines and Environment at the Cassino Faculty of Mechanical Engineering. In 2005 he founded a company, Technical Partners in Rome, of which he is the present director. He is responsible for energy, energy saving, renewable sources and hydrogen with consolidated interests in all of Italy as well as contacts in Europe.

Since 2010 Technical Partners has been collaborating with Innova Spa in Rome (a multinational corporation operating in worldwide research and development) on some projects for the development of renewable energy. Through this partnership TP is able to establish contacts with some of the greatest Italian companies

Recently participated trade missions to:

- Germany, for biomass gasification plants;
- Japan, for biomass gasification plants;
- Israele, for biomass anaerobic digestion plants;
- Siria, for knowledge exchange in solar plants;
- Texas and Illinois, for H2 seminars and business support.

## Training seminar on Renewable Energy

You are cordially invited as a guest of  
**Italian Trade Commission**

For enquiries, please contact Mr. Yong / Ms. Ann Kee  
Tel: +603.2164 9931 Email: [kualalumpur@ice.it](mailto:kualalumpur@ice.it)

Please fax the completed form to: +603.2164 9989  
before 22 June 2011

### Registration form

I / We would like to take part as follow:

Day 1  Morning: Open Ceremony  Afternoon: RE Seminar

Day 2  Biomass Energy Training Seminar (Full day)

Day 3  Solar Energy Training Seminar (Full day)

Name :
Position :

Name :
Position :

Company / Organisation:		
Address :		
Postcode :	State :	Country :
Tel :	Fax:	
Mobile :	Email :	
Website :		

**\*\* Participation is free of charge but pre-registration is required**

**With support from :**



Malaysian Green Technology Corporation



EU-Malaysia Biomass Sustainable Production Initiative