

WORLD CLASS
MASTER COACHING
SEMINAR



GREEN INITIATIVE SEMINAR 2018

Innovative and Practical Seminar



THE 50001 ENERGY TREASURE HUNT

Measurement & Verification
in recognizing the value of
TREASURE.

ORGANISER

Nipco Electrical Engineering & Trading Sdn Bhd (NIPCO)
Chiyoda System Technologies Corporation (CST)
IFP Engineering Solutions Sdn Bhd (IFP)



Nipco Electrical Engineering & Trading Sdn Bhd



Chiyoda System Technologies Corporation



IFP Engineering Solutions Sdn Bhd

Seminar Summary

Prepared for:
Seminar Participants

Wednesday 4th July, 2018

**Co-organizer members
expressing appreciation for
the successful seminar**

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Nipco Electrical Engineering & Trading Sdn Bhd



Chiyoda System Technologies Corporation



IFP Engineering Solutions Sdn Bhd

Express our gratitude to
the participants of
4th July Green Initiative Seminar

Our mission is to grow together with you and
your organization undertaking
Sustainable Business Development
after appreciating from the seminar objective:
“ Green Initiative under Energy Management ”
with “innovative & practical” approach and drive.

Night before Networking Dinner Site



Madam Azar, Assistant Director, MIDA-PERAK

Night before Networking Dinner



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Yeong Hui Ching ↑ Foo See Yong Chow Kin Yip ↑ Khoo Jun Git
Nor Arif Aw Bin Mohd Noor Aw **NIPCO Team** Azmaliza Binti Mohd Sarji



Lee Tung Lai



Yvonne Ho



Andrew Lee

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**Hadyan
Che Hassandi**



**Shinichiro
Mizushima**



Hiroshi Kojima



Satoshi Sagae



**Koji
Maruyama**



Akihiro Iwai



Nobby Yamanouchi



Heita Nakanishi

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IFP Engineering Solutions Sdn Bhd (IFP)



ifp



Ragunath Bharath

ifp

Oil & Gas Engineering



OUR SERVICES

- Feasibility Study
- Front End Engineering & Design (FEED)
- Basic & Detail Engineering
- Construction Management
- Procurement Assistance
- Plant Debottlenecking Study
- Start-up & Commissioning
- Process Safety Study
- Energy Management & Training

MEMBER OF THE GROUP



Chou Keat Fong



Aw Yoke Yoke



Tetsuo Yamamoto

Ahmad Roshidi Bin Wahab

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Fabio Telli



Patrick Penoud



Andrew Lee

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IFP Engineering Solutions Sdn Bhd (IFP)



Jack Tan



Doreen Lim



Vass Avram

Anandan V.

Hall 3 Layout



Seminar Guest Registration



SEMINAR AGENDA

SEMINAR AGENDA

4 th July 2018	Seminar Agenda	Master Coach Speaker
AM	8.15am – 9.00am: <i>Guest Registration</i>	
	9.00am – 9.30am: <i>Opening remarks</i>	
	Warm welcome to Perak	
	YB Dato Seri Ir Haji Mohammad Nizar,	
	Exco for Investment & Corridor Development	
	9.30am – 10.00am: <i>VIP Recognition session</i>	
	VIP Introduction & Appreciation/Lucky Draw Ceremony	
	10.00am -10.30am: <i>Guest of Honor Speech #1</i>	Mr. Shahzul Jayawirawan Mohd Yunus, Deputy Director, MIDA-GTD
	Investment Opportunities in Green Technology Industry	
	10.30am -11.00am: <i>Guest of Honor Speech #2</i>	Mr. Tuan Syed Ahmad Syed Mustafa, COO, MGTC
Enabling Green Transformation		
Malaysian Green Technology Corporation role in Green Initiative Drive in Malaysia under the Green Technology Master Plan		
11:00am – 11:20pm <i>Morning BREAK</i>		
11.20am -11.40am: <i>Topic 1-1</i>		
Superiority of MS ISO 50001 and its EnMS operation	Mr. Noboru Yamanouchi	
11.40am – 12.10am <i>Topic 1-2</i>		
Energy, Measurement & Verification (EMV) Principle and Approach		
<ul style="list-style-type: none"> • EMV Principle • EMV Approach 	Ir. Lam Sing Yew	

SEMINAR AGENDA

SEMINAR AGENDA

4 th July 2018	Seminar Agenda	Master Coach Speaker
PM	<p>11:50am – 12:30pm Topic 2</p> <p>“EnMoS” (Energy Monitoring and Verification) system Software/Hardware technology that would function in any kinds of site and application</p> <ul style="list-style-type: none"> • Definition of “EnMoS” with EMV elements • How to design monitoring system best suited to the organization • EnPI & EMV consideration in energy monitoring system • Demonstration of energy analyzer with data collection, processing and reporting. <p>12:45pm – 2:00pm LUNCH</p> <p style="text-align: center;"><i>Lucky Draw (1)</i></p>	<p>Mr. Fabio Telli</p>
	<p>2.00pm – 3.00pm Topic 3</p> <p>Topic 3-1: Solar PV Energy – Challenges & Impact</p> <ul style="list-style-type: none"> • PV System: Grid Connected and Off Grid • PV Inverter • Maximum Power Point Tracking 	<p>Ir. Prof. Nasrudin Abd Rahim</p>
	<p>Topic 3-2: “EnMoS” for Solar PV System</p> <p>3.00pm – 3.30pm Topic 4</p> <p>Introduction of Molecular Metal Treatment Technology (M2T2)</p>	<p>Mr. Fabio Telli</p>
	<p>3.30pm – 3.50pm Afternoon BREAK</p> <p>3.50pm – 4.30pm Topic 5</p> <p>Case study Demonstration workshop</p> <p>live demonstration with Molecular Metal Treatment Technology (M2T2)</p> <p style="text-align: center;"><i>Lucky Draw (2)</i></p>	<p>Mr. Vass Avram</p>
	<p>4:50pm – 5:00pm Closing Session</p> <p style="text-align: center;">Collection of Training Completion Certification</p>	<p>Mr. V. Anandan</p>

Seminar Commencement with Arrival of the guest of honor

Yang Berhormat Dato' Seri Ir Haji Mohammad Nizar Bin Jamaluddin



Co-organizer Management

Opening Welcome Speech



Andrew Lee

“Welcome to Perak State” Remarks



**Yang Berhormat Dato' Seri Ir Haji Mohammad Nizar
Bin Jamaluddin
Pelaburan dan Pembangunan Koridor
(Exco for Investment & Corridor Development)**

The first & first price LUCKY DRAW winner



Thank you session to our VIP's



Press Conference



Press Release



KHAMIS | 5 JULAI 2013 | 21 SYAWAL 1439 | BIL: 4309 | PP11200/02/2013 (031412) | sinharian.com.my | SinarOnline | Sinarharian |



Mohammad Nizar ketika sidang media selepas program berkenaan.

Mohammad Nizar mohon maaf

IPOH - Amanah Perak menyambut baik keputusan yang dibuat Ketua Penerangan PKR Perak, Siti Aishah Shaikh Ismail menarik diri dalam pencalonan Speaker Dun Perak atas semangat untuk rakyat Perak.

Timbalan pengerusinya, Datuk Seri Mohammad Nizar Jamaluddin berkata, Siti Aishah perlu meneruskan perjuangan dalam politik kerana beliau mempunyai potensi.

Katanya, kerajaan negeri masih memerlukan sumbangan beliau dalam pentadbiran.

“Saya mohon maaf jika ada perkara yang tidak elok dan tidak sihat.

“Teruskan perjuangan dan pastikan Pakatan Harapan dapat melaksanakan pelbagai usaha membangunkan negeri Perak,” katanya pada sidang media selepas

menyampaikan ucapan di Seminar Inisiatif Hijau Chiyoda System Technologies Corporation di Hotel Casuarina@Meru, Bandar Meru Raya, di sini, semalam.

Beliau berkata demikian ketika diminta mengulas mengenai isu calon Speaker Dun Perak yang mencetuskan kontroversi.

Terdahulu dalam satu kenyataan di Facebook yang tular, Siti Aishah mengaitkan nama Mohammad Nizar dalam isu calon Speaker Dun Perak.

Bagaimanapun dalam kenyataan media yang dikeluarkan semalam memberitahu bahawa status Facebook itu merupakan teguran kepada kepimpinan.

Semalam, Sidang Dun Perak kecoh ketika pelantikan Speaker Dun Perak selepas pembangkang mendesak nama calon yang menarik diri didedahkan.

Press Release

(怡保4日讯) 霹雳州行政议员拿督斯里莫哈末尼查指出，为了配合国家促进清洁能源和绿色科技产业发展的愿景，无论是绿色技术产品的制造，或是发展可再生能源发电厂，州政府都无任欢迎相关领域的专才和投资。

“于2013至2017年间，在州内实施了由大马投资发展局（MIDA）批准的23个可再生能源项目，投资额约2.09亿令吉。这些投资项目同时制造了5944个工作机会。”

负责投资发展事务委员会的尼查今天出席为绿色倡议研讨会主持开幕

尼查：促進清潔能源願景 大馬歡迎綠色科技投資

后，对媒体表示，他以和丰一家企业为例，该企业在生产上装置太阳能板（Solar Panel），帮助室内降温，还可发电，是绿色科技的一种。

他说，州政府将继续支持大马投资发展局和大马绿色工艺机构（MGTC）等机构，携手合作，进而促进州内投资，使经济继续成长。

今天出席研讨会的

嘉宾包括千代田化工建设高级总经理小岛弘、Innovative Fluid Process有限公司董事拉古南、大马投资发展局（绿色技术部）副主任沙祖、霹雳州分会主席莫哈末沙瓦迪、马来西亚绿色科技公司首席营运员赛阿末、霹雳投资促进机构首席执行官赛沙礼夫丁、立高电器机械贸易有限公司策划经理李振华。



▲李振华（右四）代表大会赠送纪念品给尼查（左三）。左一、二为沙祖、拉古南；右一起赛沙礼夫丁、赛阿末、小岛弘。

西蒂退選議長是顧全大局

另外，对于有关公正党女青年团团团长西蒂艾沙退选霹雳州议长一职是因为尼查插手的说

法，尼查的回应是一切避从前者最后发表的文告为依归，即退选是顾全大局，是还政于民。



0-1 MIDA-GTD Guest of Honor Speaker



Mr. Shahzul Jayawirawan Mohd Yunus
Deputy Director, MIDA-GTD



**INVESTMENT OPPORTUNITIES IN GREEN
TECHNOLOGY INDUSTRY**

Green Initiative Seminar

**Hotel Casuarina @ Meru, Ipoh
Perak Darul Ridzuan**

By: Shahzul Jayawirawan Mohd Yunus
Green Technology Division, MIDA

4 July 2018



TAX INCENTIVES FOR GREEN TECHNOLOGY
For more information, please visit www.mida.gov.my or e-mail to invest@malaysia@mida.gov.my

GREEN INVESTMENT TAX ALLOWANCE (GITA)
GITA of 100% on qualifying capital expenditure (CCE) incurred on a green technology project until 31 December 2020. GITA can be offset against 70% of statutory income in the YA.
Promoted projects include renewable energy, energy efficiency, integrated waste management and green building / data centre.

GREEN INCOME TAX EXEMPTION (GITE)
GITE of 100% of statutory income until YA 2020.
Promoted services related to renewable energy, energy services, services related to green building / data centre, green townships, electric vehicle and green certification of products, equipment & building.

Be with us on mobile and social media

MIDA B2B



0-2 MGTC Guest of Honor Speaker

- **MyHijau products exhibited at the seminar**



Mr. Tuan Syed Ahmad Syed Mustafa
Chief Operating Officer

A promotional banner for a seminar. The background is a teal gradient with a faint image of a modern building. At the top left is the Malaysian coat of arms with the text 'MINISTRY OF ENERGY, GREEN TECHNOLOGY AND WATER (KeTTHA)'. To its right is the Green Tech Malaysia logo. The central text reads 'ENABLING GREEN TRANSFORMATION'. Below that, in yellow, is 'GREEN INITIATIVE SEMINAR Hotel Casuarina@Meru, Ipoh 4 July, 2018'. At the bottom left, it says 'SYED AHMAD SYED MUSTAFA Chief Operating Officer'. At the bottom right, it says 'CHAMPIONING GREEN ECONOMY'. The Green Tech Malaysia logo is also visible on the building in the background.

MINISTRY OF ENERGY,
GREEN TECHNOLOGY AND WATER (KeTTHA)

Green Tech
Malaysia

ENABLING GREEN TRANSFORMATION

GREEN INITIATIVE SEMINAR
Hotel Casuarina@Meru, Ipoh
4 July, 2018

SYED AHMAD SYED MUSTAFA
Chief Operating Officer

CHAMPIONING
GREEN ECONOMY



MGTC B2B



Mr. Syamiullah Abd. Gani
Senior Executive
Assistant, Green Catalyst

Mr. Abd Malik Atan
Manager, Green Catalyst

Topic 1-2

Superiority of MS ISO 50001 and its EnMS operation



WORLD CLASS MASTER GAMING SEMINAR

GREEN INITIATIVE SEMINAR 2018
Innovative and Practical Seminar

THE 50001 ENERGY TREASURE HUNT
Measurement & Verification
in recognizing the value of **TREASURE.**

ORGANISER
Nipco Electrical Engineering & Trading Sdn Bhd (NEE) | Chiyoda System Technologies Corporation (CST) | IFP Engineering Solutions Sdn Bhd (IFP)

Nipco Electrical Engineering & Trading Sdn Bhd
CST Chiyoda System Technologies Corporation
ifp IFP Engineering Solutions Sdn Bhd

**Green Initiative in...
Improving Performance**

Seminar Flow

GREEN INITIATIVE

1

How to value the "TREASURE"

Do not sit on a gold mine
If you do not hunt,
treasures are useless

Once you hunt a treasure,
you need to value the treasure,
in order to act positively

In energy use environment,

You need to measure (value)
and to verify
(how much value for your business)



N. Yamanouchi
Associates Consultant,
EnMS Specialist, CST

- Section 1** Session Overview
- Section 2** Most important energy: PEOPLE
- Section 3** Superiority of MS ISO 50001 EnMS Operation
- Section 4** Reviewing your Energy Use
- Section 5** Energy Treasure Hunt Overview



Topic 1-1
Superiority of MS ISO 50001 and its EnMS operation

Continual Energy performance Improvement Section 1-5

Green Initiative Seminar 4 July 2018
Hotel Casuarina @ Meru

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Energy Monitoring Verification System

How to Measure Energy?
Hardware
How to Verify Energy Efficiency?
Software

EnergyTeam
Energy Monitoring Solution Expert
Fabio Telli
Director, International Business

Topic 1-2



Ir. Lam, Sing Yew

- Principal Specialist and Energy Auditor, EeSolution Engineering

- EMV Principle
 - *Monitoring vs. Measuring*
 - *Measurement principle*
 - *Verification principle*
 - *Blending the techniques of Measurement & Verification*
 - *MS ISO 50001 EMV*
- EMV Approach
 - *EMV in EnMS*
 - *Communication aspects of EMV*
 - *EMV in EnergyTreasure Hunt*
 - *EMV for Continual Improvement Plan*
 - *EMV case studies*

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Chiyada System Technologies Corporation (CST)
WJ Engineering Solutions Sdn Bhd (WJES)

Energy Monitoring Verification System

How to Measure Energy?
Hardware
How to Verify Energy Efficiency?
Software

Energy Team
Energy Monitoring Solution Expert
Fabio Telli
Director, International Business

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Topic 2

4 July 2018
Hotel Casuarina @ Meru

Green Initiative Seminar

Addendum

Fabio Telli
Energy Team SpA
Export Sales & Trade Marketing Manager

Topic 2
"Energy Monitoring System" and system Software/Hardware technology for EMV that would function in any kinds of site and application

"EnMoS" (Energy Monitoring System and Verification) Software/Hardware technology that would function in any kinds of site and application

- Definition of "EnMoS" with EMV elements
- How to design monitoring system best suited to the organization
 - Hardware aspects
 - Software aspects
 - Communication aspects
 - Wiring, installation and commissioning aspect
- EnPI & EMV consideration in energy monitoring system
- Performance improvement procedure for the proposed EnMoS.
- Demonstration of energy analyzer with data collection, processing and reporting.



Fabio Telli

- International Director, Energy Team S.p.A.

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Cyrus System Technologies Corporation (CST)
FP Engineering Solutions Sdn Bhd (FPF)



**Hunted Valued Treasure
Business Models
PV System
Challenges & Impact**



Issues & Opportunity

FASc., FIET, P.Eng., SMIEEE

PROF. Ir. Dr. Nasrudin Abd Rahim

Director and Founder of UMPEDAC

Distinguished Adjunct Professor, Kind Abdulaziz University



Topic 3-1




Ir. Prof. Nasrudin Abd Rahim
- Director & Founder of UMPEDAC,
Distinguished Adjunct Professor,
Kind Abdulaziz University


1. The Use of Power Electronics in Harvesting Solar Energy
2. About Universiti Malaya Power Energy Dedicated Advanced Centre (UMPEDAC)
3. Renewable and non-Renewable Energy
4. Power Electronics – Enabling Technology
5. Power Electronics Application for Renewable Energy Systems
6. Solar PV System
7. Grid Connected and Off Grid PV System
8. PV Inverter
9. PV Modules
10. External Factors Influencing PV System Performance
11. Aging Mechanism Leading to PV Module Degradation
12. Solar PV Module Performance
13. Solar PV Module Monitoring

The Use of Power Electronics in Harvesting Solar Energy - Malaysia







Professor Ir. Dr. Nasrudin Abd Rahim
Director & Founder
Higher Institution Centre of Excellence
UM Power Energy Dedicated Advanced
Centre (UMPEDAC)
Level 4 Wisma R&D, University of
Malaya
Jalan Pantai Baharu 59990
Kuala Lumpur
nasrudin@um.edu.my
603-22463246/3251
<http://www.umpedac.um.edu.my/>



◆ Professor Ir. Dr. Nasrudin Abd Rahim





Fabio Telli
 Energy Team SpA
 Export Sales & Trade Marketing Manager



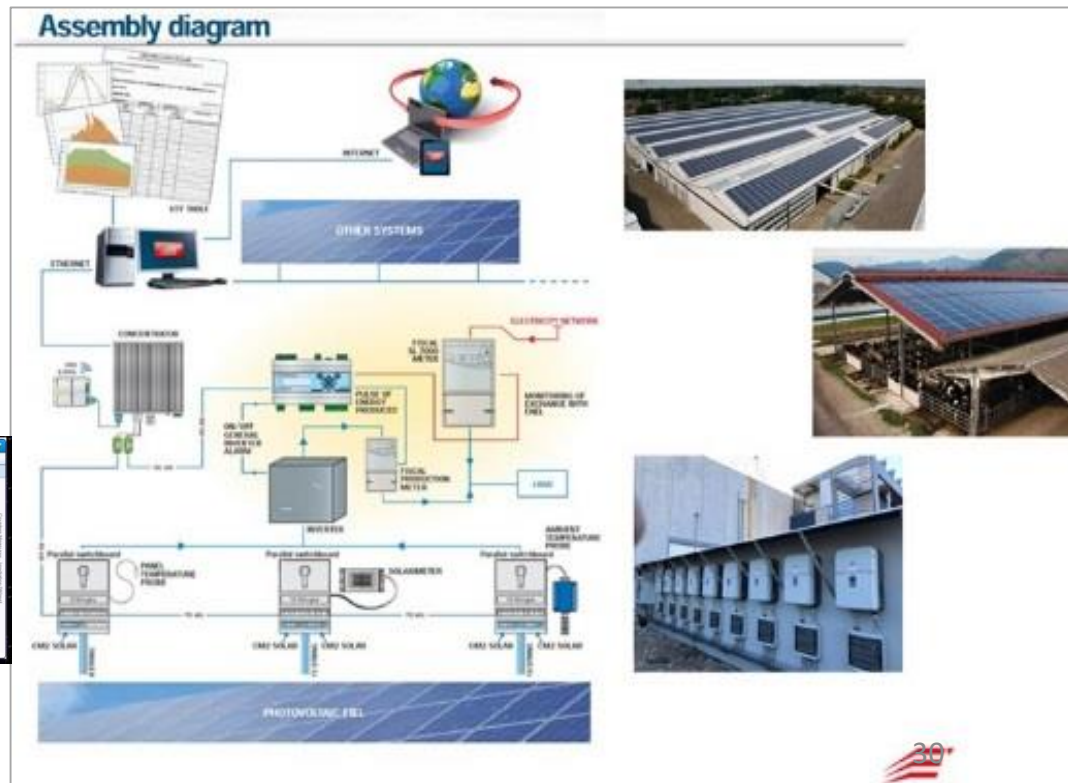
Topic 3-2

"EnMoS" for Solar PV System

Fabio Telli
 - International Director, Energy Team S.p.A.

Topic 3-2

"Energy Monitoring System" for Solar System



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EP Engineering Solutions Sdn Bhd (EPF)



Topic 4

**Hunted Valued Treasure
Business Models**

**Introduction of
Molecular Metal
Treatment Technology**

Oilecules International Pte Ltd
Vass Avram
Principal Scientist



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Seminar Presentation Sessions

Topic 4



Vass Avram
Principal Scientist,
Oilecules International Pte
Ltd

- 1. Metal Treatment (EF)**
- 2. Fuel Treatment (FC)**
- 3. PenLube Treatment**
- 4. Lithium Base EP-2 rease**

Topic 4



The ISO 50001 Energy Treasure Hunt Seminar

Presenters: Vass Avram - Principal Scientist
Anan - Director; Operations

Date: July 2018

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EP Engineering Solutions Sdn Bhd (EP)



Topic 5

**Hunted Valued Treasure
Case study**

**Molecular Metal
Treatment Technology
Demonstration**

Oilecules International Pte Ltd
V. Anandan
Director of Operations



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Seminar Presentation Sessions

Topic 5

Topic 5
Demo time

- Load test
- Application of M2T2
- Metal treatment reaction
- EP-2 Grease
- Pen Lube
- Fuel conditioner
- Burn test
- Q&A

Live demonstration on the effects of applying the unique Molecular Metal Treatment product to enhance and improve the performance of used and/or new machines

V. Anandan
Director of Operations,
Oilecules International Pte Ltd













Co-organizer Management

Closing Thank you Speech

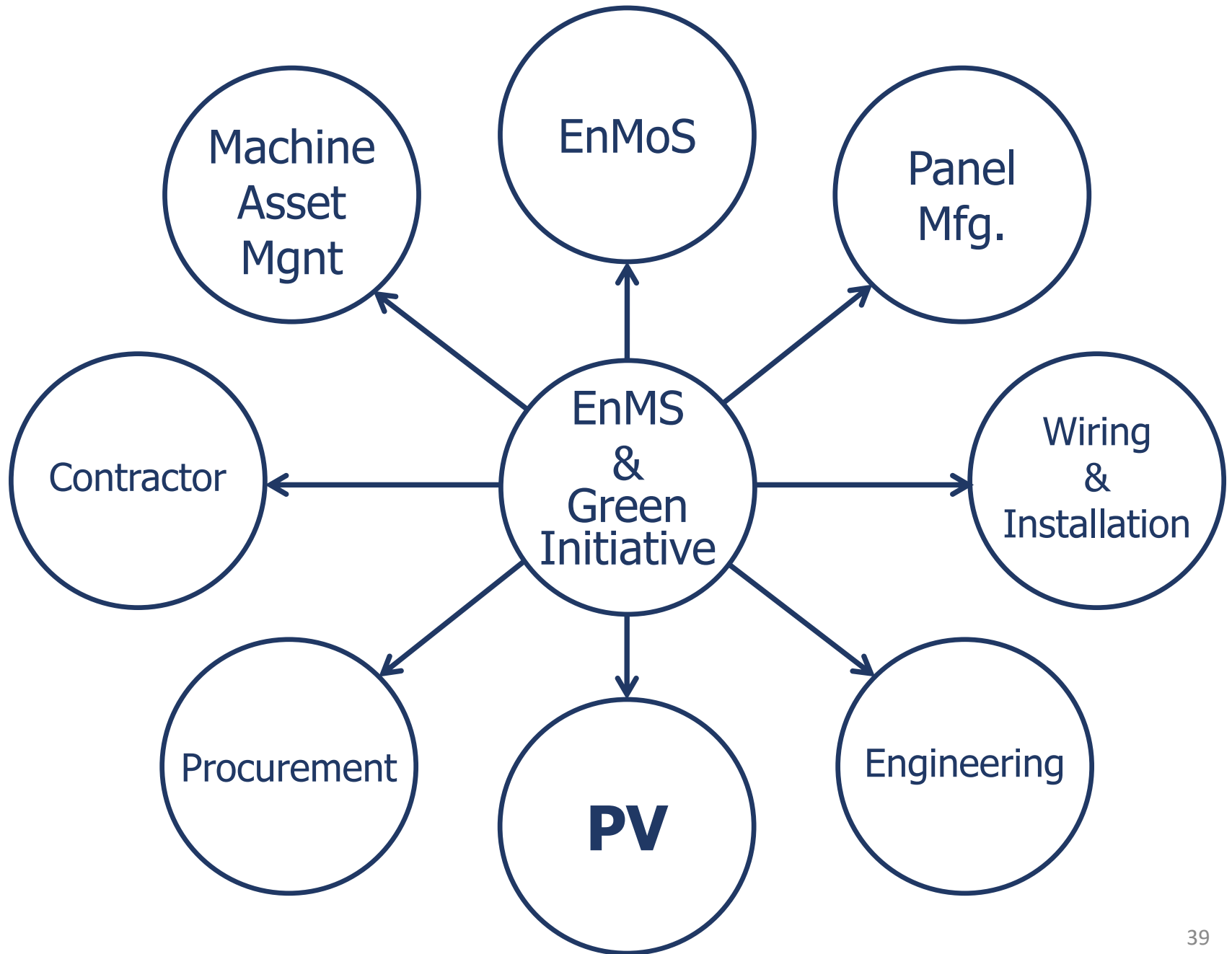


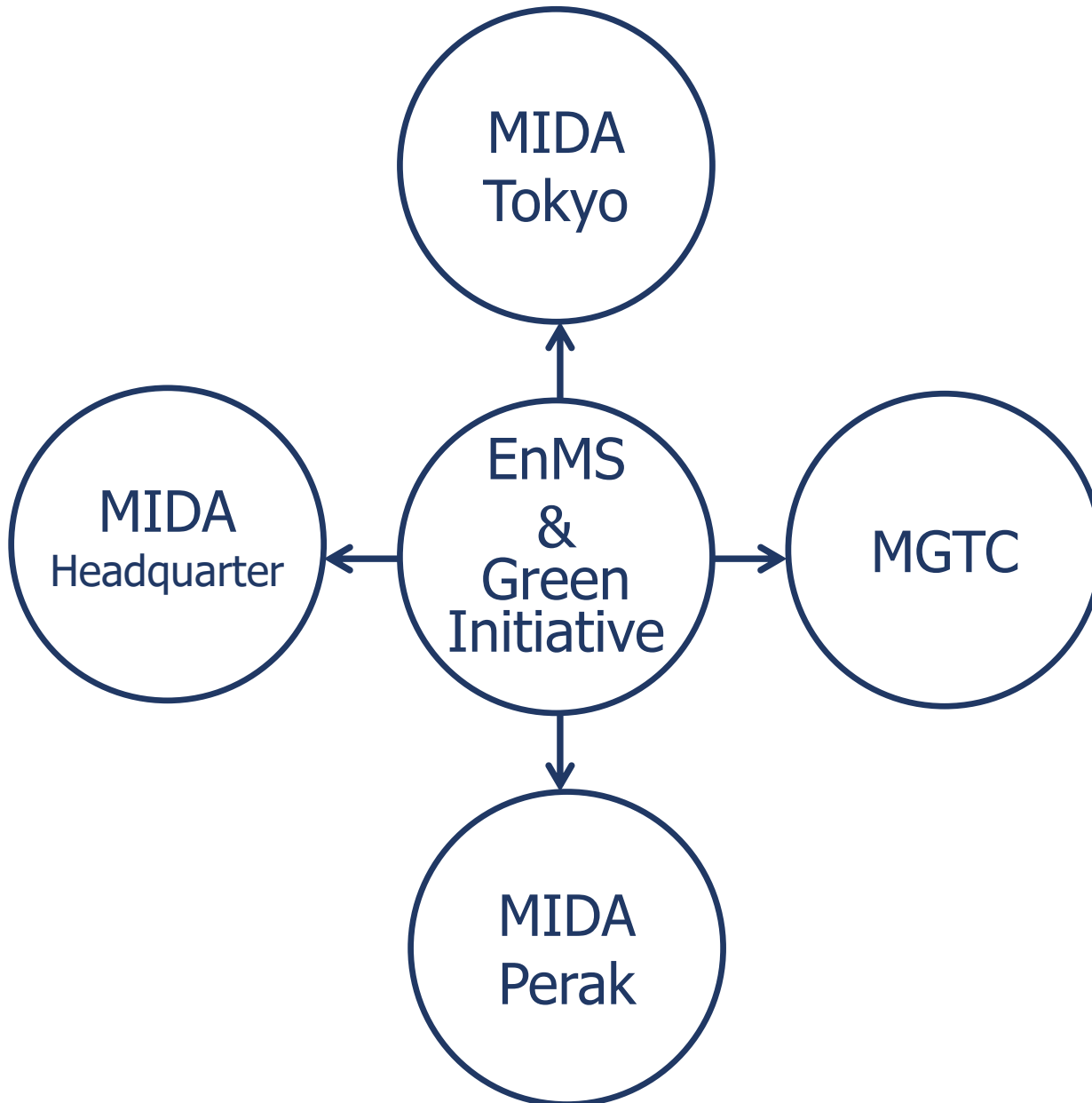
Ragunath Bharath



Hiroshi Kojima







1. Final count

Result ⇒ 120%

Issue:

- Exceeded the number
- Every participant is important
- Free seminar so close contact needed

CST quota (30) 18 + 2 registered

18 participated

IFP quota (30) 39 registered

31 participated

NIPCO quota (70) 70 + 5 registered

65 participated

MIDA 17 registered

22 participated

Sub-Total 151 registered

Total 136 participated

VIP 4 registered

7 participated

Host 34 registered

34 participated

Total 189 registered

Total 177 participated

(Total 88 Companies)

Opportunity:

- MIDA, Perak Office network

4th July 2018 GREEN INITIATIVE SEMINAR

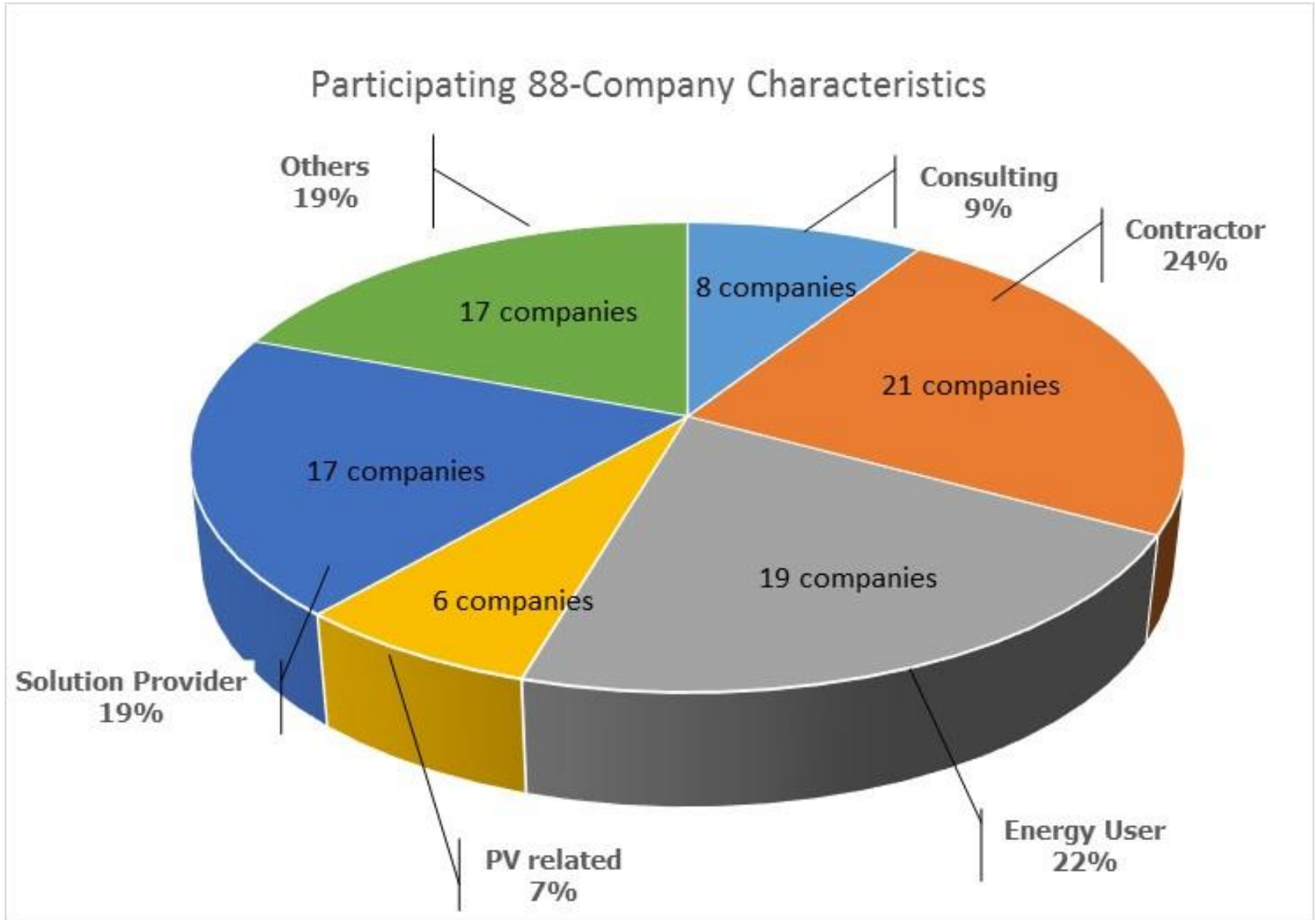
The final Count

Total Count				
Total Guest No.	136	177		
Host member No.	34			
VIP No.	7			

Guest Analysis					
Invited by	Business Inquiry responded		Business Inquiry Not responded	Total Prticipants	No. of companies
	Visit (yes pls)	Visit (no thks)			
CST	3	8	7	18	14
IFP	8	17	6	31	18
NIPCO	14	27	24	65	43
MIDA	3	10	9	22	13
	28	62			
	90		46	136	88


Mr. Zulfadly Anuar Datuk Taip - Universiti Kebangsaan Malaysia was invited by CST

2. Participating Company Characteristics




Others (17)

No.	mat req	Host	COMPANY	Type	業種
01		N	Smart Energy S.A.	EnMoS distributor for Energy Team in West Africa	EnMoS 專業取扱業
02		C	Tenaga Nasional Berhad	Power utility company	電力製造供給業
03		N	Tenaga Nasional Berhad, Ipoh	Power utility company	電力製造供給業
04		N	E.S.S. Engineering Sdn Bhd	Total Engineering Solutions,	総合エンジニアリング会社
05	7-①	I	Dominion Fabricators Sdn Bhd	EPC & project management company	EPC
06		C	Chudenko (M) Sdn Bhd	Electrical Engineering company	エンジニアリング会社
07		C	Chudenko Coporation	Electrical Engineering company	総合設備エンジニアリング企業
08	1-⑧	C	Ekovest Berhad	building construction and civil engineering	土木建設業
09	10-④	N	Lembaga Air Perak	Perak Water Board	州水道局
10		M	Federation Of Malaysian Manufacturers institute (FMM)	Federation Of Malaysian Manufacturers	製造業連合団体
11	8-④	N	Quest International University Perak	industry-relevant using motivational teaching	教育機関
12	5-③	N	Suruhanjaya Tenaga	Energy Comission	政府機関
13	9-④	M	Perbadanan Kemajuan Negeri Perak	Perak State Development Corporation	政府機関
14	9-③	M	Perak Corporation Berhad	management of ports and logisticsdevelopment of new townships.	政府機関
15		M	Perbadanan Kemajuan Negeri Perak	management of ports and logisticsdevelopment of new townships.	政府機関
16	5-⑧	M	Pusat Latihan Teknologi Tinggi (ADTEC) Taiping	Advanced Technology Training Center	政府機関
17	1-②	I	Green Innotech Sdn Bhd	M&E Engineering and related services	メンテナンス業務


 Requested a consulting visit

Consultant (8)

No.	mat req	Host	COMPANY	Type	業種
01	6-⑧	I	Kilo Sierra Electrical Services	Innovative Strategy provider in High Risk Environments.	コンサルティング業
02	3-⑤	N	Syarikat Pemborong Abu Bakar Sdn Bhd	Consultant related to construction business activities	コンサルティング業
03	6-③	N	Lee Synergy Solutions	Energy Efficiency consultant	コンサルティング業
04	4-⑧	N	Intensive Energy Sdn Bhd	HSE solution provider	HSE運用コンサルティング業
05	1-④	N	Perunding Sistem ETM	Engineering Consultancy	コンサルティング業
06	6-⑦	N	Mokhtar Consult & Association	Engineering Consultant in Ipoh	コンサルティング業
07	11-⑧	I	Leaf Systems (M) Sdn Bhd	Business consulting company	コンサルティング業
08		I	MP Capital Advisory Sdn Bhd	Finacial Advisory company	コンサルティング業

 Requested a consulting visit

Contractors (21)

 Requested a consulting visit

No.	mat req	Host	COMPANY	Type	業種
01	1-⑩	N	Au Electrical Sdn.Bhd	Mechanical & Electrical contractor company	電気・機械コントラクター
02	5-⑥	N	SECM Sdn Bhd	MECHANICAL AND ELECTRICAL ENGINEERING CONTRACT WORKS	電気・機械コントラクター
03	3-②	N	Kee Ming Electrical Sdn Bhd	Electrical contractor	電気コントラクター
04	1-⑤	N	Syarikat Seng Letrik	Electrical contractor.	電気コントラクター
05		N	Advance Industrial Solutions Sdn Bhd	Engineering And Electrical Works,	電気コントラクター
06		N	Hup Lee Electrical Works Enterprise	Electrical contractor.	電気コントラクター
07		N	Letrik Seri Pelangi	Electrical construction and consultancy.	電気コントラクター
08		N	Sw Perusahaan Letrik Sdn Bhd	Electrical contractor	電気コントラクター
09	5-⑩	N	Liman Electrical Works	Electrical works (?)	電気コントラクター
10		N	Multi Electrical Power Sdn Bhd.	Electrical contractor	電気コントラクター
11		N	Weng Electrical Engineering	Electrical contractor	電気コントラクター
12	11-①	M	SCK Electrical Control Sdn. Bhd.	ELECTRICAL CONTRACT WORKS	電気コントラクター
13	3-①	M	Kejuruteraan Letrik Kennek Sdn Bhd	Architectural, Engineering, and Related Services	コントラクター
14		N	Tai Chong Marine Engineering Sdn Bhd	Engineering Works, Marine Repairs	技術コントラクター
15	8-③	I	Ipoh Team Construction Sdn Bhd	general contracting for construction and engineering works	コントラクター
16	8-⑦	I	Transwater Tenaga Sdn Bhd	supplies, and installs process equipments and systems.	コントラクター
17	5-⑨	M	KK Aircond Sales And Service	Aircon sales and services	エアコン販売取付業
18	4-②	N	Eco Vac Sdn Bhd	Air con system contractor	空調コントラクター
19	11-②	N	Kee Hup Electrical Co	Airconditioning & Heating	冷暖房空調工事業
20		M	Mudajaya Corporation Berhad	provides civil engineering and building construction services	土木・建設コントラクター
21	5-⑤	N	Lico Electrical Engineering	Freelance Engineer ?	個人自営コントラクター


Energy users (19)

No.	mat req	Host	COMPANY	Type	業種
01	9-⑥	C	Universiti Kebangsaan Malaysia	Unniversity Utility and engineering	設備運用・エネルギーユーザ
02	8-⑤	C	FEC Cables (M) Sdn. Bhd.	Cable Manufacturer	製造業・エネルギーユーザ
03	6-②	C	Power Cables Malaysia Sdn Bhd	Cable Manufacturer	製造業・エネルギーユーザ
04	6-③	C	TenCate Geosynthetics Asia Sdn Bhd	geosynthetics industry	製造業・エネルギーユーザ
05	2-②	N	Eastern Decorator Sdn Bhd	Asia Home Textile Leader with operations	グループ内製造業・エネルギーユーザ
06	2-④	N	Golden PET Industries Son Bhd	Manufacturer of pet bottle, closure, tooth brush	製造業・エネルギーユーザ
07	10-⑨	N	Tasek Corporation Berhad	Cement producing plant	製造業・エネルギーユーザ
08	2-①	N	Hume Cement Sdn Bhd	Cement producing plant	製造業・エネルギーユーザ
09	3-④	N	Weng Hoong Welding Industries Sdn Bhd	Diamond Brand welding machine producer	製造業・エネルギーユーザ
10	4-⑥	N	Yamaha Electronics Manufacturing (M) Sdn. Bhd.	Mfg of electronic audio and video equipment	製造業・エネルギーユーザ
11	4-③	N	Eadeco Sdn. Bhd.	Apparel & Textile Products	製造業・エネルギーユーザ
12	9-⑤	N	Imerys Minerals Malaysia Sdn. Bhd.	mining or quarrying dimension stone	石材業
13		N	Negeri Sembilan Cement Industries (Bahau Plant)	Cement producing plant (Bahau)	製造業・エネルギーユーザ
14		N	Negeri Sembilan Cement Industries (Perlis Plant)	Cement producing plant (Perlis)	製造業・エネルギーユーザ
15	11-⑩	I	Kaneka (Malaysia) Sdn. Bhd.	Producer of impact modifier	製造業・エネルギーユーザ
16	8-⑩	I	Sony EMCS(M) Sdn. Bhd	Audio and Visual innovations producer	製造業・エネルギーユーザ
17	2-③	M	Warisan Impian Maju Sdn Bhd	Operation, Maintenance And Construction Of Pipelines	製造業・エネルギーユーザ
18		M	Alphaplas Industries Sdn Bhd	Fibre manufacturing	製造業・エネルギーユーザ
19		M	Top Ten Plastics Industries Sdn Bhd	flexible plastics packaging producer & solutions provider	製造業・エネルギーユーザ

 Requested a consulting visit


Solution Providers (17)

No.	mat req	Host	COMPANY	Type	業種
01	9-②	N	Telekom Malaysia	Communications Services Provider	通信業
02	5-②	I	Antah Schindler Sdn Bhd	Facility/product solution company	移動装置製造業
03	11-⑦	I	WLS Logistics Sdn.Bhd	FREIGHT FORWARDERS	運送業
04		N	World Class Motor Sdn Bhd	High class used car dealer	自動車ソリューション業
05	10-③	C	Tlv Engineering Sdn Bhd	Steam trap manufacturer & solution provider	蒸気システムソリューション
06	10-②	C	Tlv Pte Ltd, Singapore	Steam trap manufacturer & solution provider	蒸気システムソリューション
07	4-①	N	KS Lighting Enterprise	Lighting equipment supplier	照明ソリューション業
08	8-①	N	Uni-Tec Engineering Pte Ltd	lighting control, residential, hospitality, building and industrial automation in Singapore	照明ソリューション提供
09	8-②	N	Bae Industrial Engineering Sdn. Bhd.	design & build commissioning, maintenance, troubleshooting, retrofit and upgrading for automation systems	制御システム取扱業
10	4-②	C	Abbaco Controls Sdn. Bhd	specializes in SCADA and automated systems.	自動制御計装業者
11	9-③	C	Txcxrx Energyopt Services	Aircon system EnMS Consulting	Consulting Engineers
12	9-⑩	M	Egreen Engineering Sdn Bhd	Design & developing for client solution	設計業
13	10-⑥	I	Himmer Industrial Services	Asset Industrial Management Services, (ERP) Integrator	Software integrator
14		N	Hiap Soon Hong Sdn Bhd	Blasting & Painting Contractors	塗装業
15	10-⑦	I	AVF Solutions (M) Sdn Bhd (Swagelok Malaysia)	Swagelok distributor/solution provider thru fitting & piping	配管ソリューション業
16	3-③	I	WEG South East Asia Sdn Bhd	Distributor of WEG, motor mfg and solution provider	モータ・ソリューション業
17		I	Sumber Petroleum Cemerlang Sdn Bhd	Industrial specialty lubricants manufacturer, importer and distributor	潤滑油ソリューション供給

 Requested a consulting visit

PV related (6)

No.	mat req	Host	COMPANY	Type	業種
01	1-⑥	M	Sinar Kamiri Sdn Bhd (Mudajaya Corporation Berhad)	development of a solar photovoltaic facility	投資運用業
02		C	Solar Frontier K.K.	Solar panel solution supplier	PVパネル製造業
03	9-⑧	N	Solar Sunyield Sdn Bhd	Perak based high quality installation of Solar Photovoltaic (PV) System	PVコントラクター
04	4-④	I	Raps Solutions Sdn.Bhd	Electrical/PV System contractor	PVコントラクター
05	8-⑧	I	Suria Infiniti Sdn Bhd	Renewable Energy (RE) and Energy Efficiency (EE) by means of solar PV and wind system	PVコントラクター
06	1-⑦	C	Genius Wisdom Sdn Bhd	Solar Photovoltaics (PV) installation	PVコントラクター

 Requested a consulting visit

3. Topic Questionnaires Analysis

Out of 136 guests:

95 responded

Summary

Green Initiative Seminar/The 50001 Energy Treasure Hunt

Topic Questionnaire

To: The seminar participant

Time: 9:00 to 17:00

Date: 2018/07/04 (Wed.)

at: Hotel Casuarina @Meru

From: The seminar organizer

Dear guest,

How did you find the seminar you have just participated
Hope the time spend was worthwhile for both you and for your company.
To make even better seminar in the future, your open and sincere answer to this
questionnaire is very important. Kindly please spare your additional few minutes
to help us.

- 1. Need a change
- 2. Need improvement
- 3. Fair, but something missing
- 4. Good, and keep up
- 5. Excellent

1. Was the seminar contents appropriate for your needs? (please circle one) [1. 2. 3. 4. 5.]

2. Was the seminar explicit and friendly in understanding? (please circle one) [1. 2. 3. 4. 5.]

3. How do you rate the seminar organization? (please circle one) [1. 2. 3. 4. 5.]

4. Were the document and used material adequate? (please circle one) [1. 2. 3. 4. 5.]
Please provide comments if you have.

5. Was the seminar timing adequate to your standard? (please circle one) [okay, too short, too long]

6. Please provide any of your thoughts about this seminar.

7. Please provide any message to the organizers to make the seminar content better.

8. On the outside seminar curriculum (such as Exhibition and B2B tables session),
please provide your comments if it was usefule for your business pupose?

Thank you so much for your cooperation.

3. Topic Questionnaires Analysis 3-1

Summary

	average
1. Was the seminar contents appropriate for your needs? (please circle one)	3.9
2. Was the seminar explicit and friendly in understanding? (please circle one)	3.8
3. How do you rate the session organization? (please circle one)	3.9
4. Were the document and used material adequate? (please circle one)	3.5

Overall points rating

3.76

5 Was the seminar timing adequate to your standard? (please circle one)

okay	too short	too long
75	7	5

3. Topic Questionnaires Analysis 3-2

Immediate Action required by the analysis

Slide Presentation Unclear...Cannot see

Need to send the presentation soft copy to all participants

Slide font should be at least "20" worst case "18" for audience over 100 pax.

4. Business Inquiry Analysis

Out of 136 guests:

90 responded

Out of 90,

28 requested our consultation visit (23 companies)

Business Inquiry

Would you like to receive the presentation material by electronic file?

Time: 9:00 to 17:00
Date: 2018/07/04 (Wed.)
at: Hotel Casuarina @Meru

If yes,

Please identify:

Your name

Your email address:

Just in case, your phone no.

Please indicate order of your interest

<input type="checkbox"/>	Superiority of MS ISO 50001 and its EnMS operation
<input type="checkbox"/>	Evaluation, Measurement & Verification (EMV) Principle and Approach
<input type="checkbox"/>	"EnMoS" (Energy Monitoring and Verification) system Software/Hardware technology
<input type="checkbox"/>	Solar PV Energy – Challenges & Impact
<input type="checkbox"/>	"EnMoS" for Solar PV System
<input type="checkbox"/>	Introduction of Molecular Metal Treatment Technology

About Exhibitor: Solar Frontier

Do plan or having interest in installing solar power system ?

Are you interested in installing solar power system by using Investment Tax

Do you know Japanese most environmentally superior solar panel manufacturer,

By participating this seminar, you are entitled to 2-hour solution consulting session on any topics of your sinterest.

Please (✓) your thoughts and for those interested, we will be happy to contact you for meeting appointment

Yes, please

No thanks

Thank you so much for your cooperation.

4. Business Inquiry Analysis 4-2

Interest weight by presented topics

EnMS

EM&V

EnMoS

PV

PV-EnMoS

Oilecules

<p>GREEN INITIATIVE SEMINAR 2018 THE 5001 ENERGY TREASURE HUNT</p>	<p>Topic 2 Energy Monitoring Verification System</p> <p>How to Measure Energy? <i>Hardware</i></p> <p>How to Verify Energy Efficiency? <i>Software</i></p> <p>EnergyTeam Energy Monitoring Solution Expert Fabio Telli Director, International Business</p>	<p>Topic 1-2 What is the Value of Treasure</p> <p>Evaluation</p> <p>MEASUREMENT & VERIFICATION</p> <p>Master Coaching Trainer Ir. Lam Sing Yew @ Lammie Energy Specialist</p>	<p>Topic 3 Hunted Valued Treasure Business Models</p> <p>PV System Challenges & Impact</p> <p>Issues & Opportunity</p> <p>IMPEDAC FASC., FIET, P.Eng., SMIEEE PROF. Ir. Dr. Nasrudin Abd Rahim Director and Founder of IMPEDAC Distinguished Adjunct Professor, King Abdulaziz University</p>	<p>Topic 3 Hunted Valued Treasure Business Models</p> <p>PV System Challenges & Impact</p> <p>Issues & Opportunity</p> <p>IMPEDAC FASC., FIET, P.Eng., SMIEEE PROF. Ir. Dr. Nasrudin Abd Rahim Director and Founder of IMPEDAC Distinguished Adjunct Professor, King Abdulaziz University</p>		<p>Topic 4 Hunted Valued Treasure Business Models</p> <p>Introduction of Molecular Metal Treatment Technology</p> <p>Oilecules International Pte Ltd Vass Avram Principal Scientist</p>
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136.5

132.7

145.5

143.2

119.7

111.4

Interest points expressed by 90 participants responded the "Business Inquiry"

4. Business Inquiry Analysis 4-3

Solar Frontier Inquiry

Do you plan or having interest in installing solar power system ?

34 out of 90 said "YES"

Are you interested in installing solar power system by using Investment Tax Allowance (ITA)?

27 out of 90 said "YES"

Do you know Japanese most environmentally superior solar panel manufacturer, Solar Frontier K.K?

13 out of 90 said "YES"

5. Feedback Form by MIDA-Perak

FEEDBACK FORM

**GREEN INITIATIVE SEMINAR
“The Green Energy Treasure Hunt”
4th July, 2018 (9.00am - 5.00pm)
Hotel Casuarina@Meru, Ipoh**

MIDA
MALAYSIAN INVESTMENT DEVELOPMENT AUTHORITY
FEEDBACK FORM

**GREEN INITIATIVE SEMINAR
“The Green Energy Treasure Hunt”
4th July, 2018 (9.00am - 5.00pm)
Hotel Casuarina@Meru, Ipoh**

Name of Company : _____
 Name of Representative : _____
 Designation : _____
 Contact No. & Email : _____

PART A : OBJECTIVES OF PARTICIPATION			
	Yes	No	Specify Sectors/Products/ Services
1. Assess market and investment potential/opportunities	<input type="checkbox"/>	<input type="checkbox"/>	_____
2. Export products/services	<input type="checkbox"/>	<input type="checkbox"/>	_____
3. Sourcing for products/services/technology *	<input type="checkbox"/>	<input type="checkbox"/>	_____
4. Seeking JV partners	<input type="checkbox"/>	<input type="checkbox"/>	_____
5. Establish business contacts	<input type="checkbox"/>	<input type="checkbox"/>	_____
6. Others (please specify) : _____			

* Please delete whichever not applicable.

PART B : GENERAL COMMENTS

Key Indicators : Unsatisfactory – 1 Satisfactory – 2 Good – 3 Excellent – 4
(Please tick) 1 2 3 4

1. Overall organization of the programme

- Suitability of programme
- Arrangement of the programme

2. Business meetings arrangement

- Sufficiency of business meetings
- Suitability of business contacts

Yes No

3. Did the programme meet your objective/s

If your answer is no, please elaborate : _____

PART C : SUGGESTION

Suggestions to improve future organization of the programme:-

Signature : _____
 Date : 4th July 2018

*Note : Please be assured that the information/s provided will be treated as confidential and only for MIDA reference.
 Thank you for your kind support and cooperation extended during the event.*

**Out of 136 guests:
103 responded**

5. Feedback Form by MIDA-Perak 5-1

PART A: OBJECTIVE of participating the seminar

1. Assess market/invest opportunity
2. Export products/services
3. Sourcing prod/service/technology
4. Seeking JV partner/s
5. Establish business contacts
6. Others (specify)

No. of "YES"	69	32	71	30	64	11
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5. Feedback Form by MIDA-Perak 5-3

PART B: General Comments

Key Indicators:

- 1. Unsatisfactory
- 2. Satisfactory
- 3. Good
- 4. Excellent

- 1. Overall organization of the programme
 - Suitability of the programme
 - Arrangement of the programme
- 2. Business meeting arrangement
 - Sufficiency of business meetings
 - Suitability of business contacts
- 3. Did the programme meet your objective/s

Ave. Rating	3.2	3.2	3.1	3.2	No. of "YES"	75	No. of "Comments"	7
--------------------	------------	------------	------------	------------	---------------------	-----------	--------------------------	----------

No. of rating: 85

No. of rating: 85

No. of rating: 78

No. of rating: 77

If "no", elaborate

6. Seminar Assessment from feedbacks

1. The seminar was blessed with high level of participant
 - “Seminar Quality questionnaires”: 95 out of 136 responded
 - “Business Inquiry”: 90 out of 136 responded, and 28 out of 90 requested for consulting visit
 - MIDA-Perak “Feedback Form”: 103 out 136 responded
2. More than 50 % of participants belong to management level having decision power
3. More than 50 % of participants expressed business proposition
4. More than 50 % of participants expressed willingness to communicate with the co-organizer
5. MIDA-Perak involvement helped the seminar participants to be responsible in communicating

Message from Green Initiative Seminar

- **Malaysia is going to be leading Asian economy country for sustainable business development direction.**
- **Green Initiative is a key strategic importance in sustainable business development.**
- **Seminar presentation and seminar feedback shows the energy that Malaysia is going to just that.**
- **“Energy Management” is understood to be the core competency to become a winner**
- **Another asset from the seminar is the enhancement of partnership with MIDA & MGTC.**
- **EnMS+EMV+EnMoS is success combination.**
- **Malaysia is going to promote self purpose PV system.**



Thank you...