

Mosel Vitelic Inc. Company & Product Introduction

July, 2012

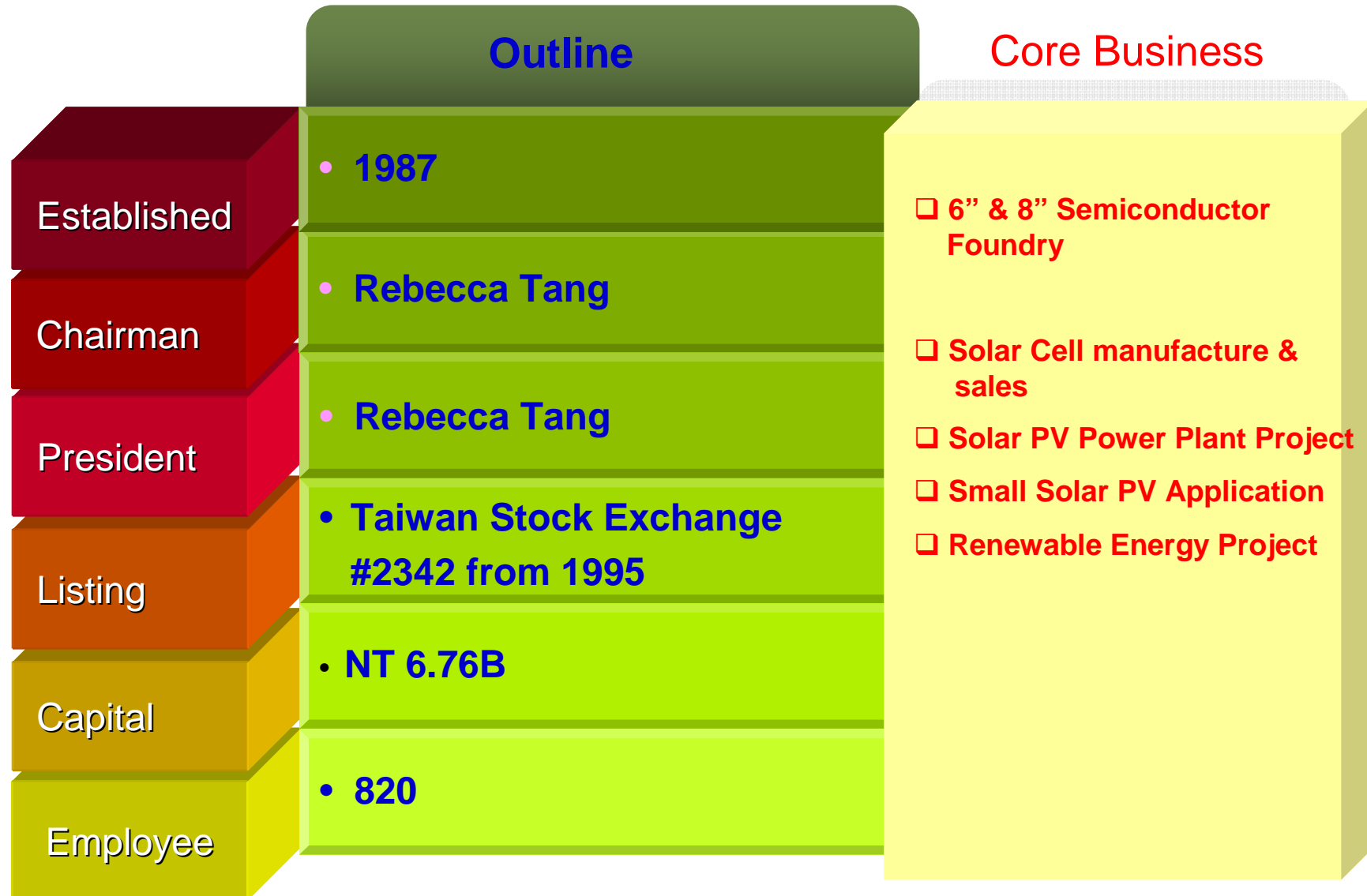
Content

1. Company Profile

2. Products Instruction

- Solar Cell**
- Solar Plant Design/ Procurement**

About MVI



MVI Solar Production Sites

Site 1

60MW

In operation since 2007



Site 2

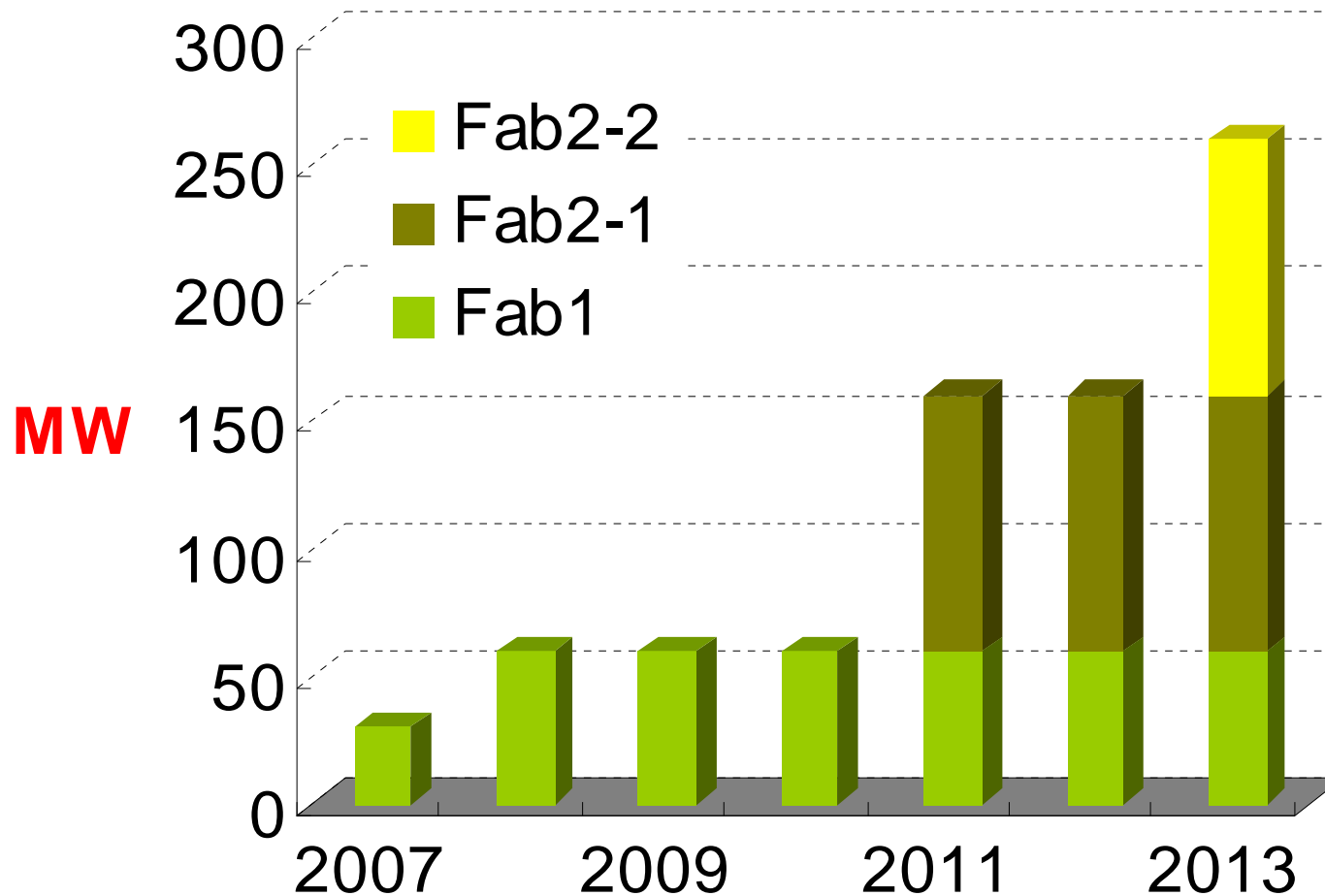
200MW

Phase I - 100MW (2011Q1)

Phase II - 100MW TBD



Solar Cell Capacity Expansion Plan




Fab2-2 capacity expansion plan will be based on market demand.

Certificate (Solar)

ISO 9001:2008

	
	<h3>CERTIFICATE</h3>
<p>This is to certify that</p>	
<p>MOSEL VITELIC INC. No. 1, Creation Rd. 1, Science-Based Industrial Park, Hsin Chu, Taiwan with the organizational units/sites as listed in the annex</p>	
<p>has implemented and maintains a Quality Management System.</p>	
<p>Scope: The design and manufacture of solar cells. The procurement, inspection, packaging and delivery of solar modules.</p>	
<p>Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:</p>	
<p>ISO 9001 : 2008</p>	
<p>Certificate registration no. 20001949 QM08 Date of original certification 2003-06-23 Date of revision 2012-04-26 Date of certification 2012-04-26 Valid until 2015-04-25</p>	
<p>UL DQS Inc.  Ganesh Rao President</p>	
<p>Accredited Body: UL DQS Inc., 1130 West Lake Cook Road, Suite 340, Buffalo Grove, IL 60089 USA Issuing Office: UL MSS Taiwan Inc., 8F, 23, Yuan Huan West Road, Feng Yuan Dist., Taichung City, Taiwan 420</p>	
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	<p>Annex to Certificate Registration No. 20001949 QM08</p>							
	<p>MOSEL VITELIC INC. No. 1, Creation Rd. 1, Science-Based Industrial Park, Hsin Chu, Taiwan</p>							
<table border="1"> <thead> <tr> <th>Company Name</th> <th>Location</th> <th>Function</th> </tr> </thead> <tbody> <tr> <td>MOSEL VITELIC INC. Ref. No.: 20006239</td> <td>No. 458-28, Sinsing Rd. Hukou Township, Hainchu Country Taiwan, R.O.C.</td> <td>The design and manufacture of solar cells. The procurement, inspection, packaging and delivery of solar modules.</td> </tr> </tbody> </table>			Company Name	Location	Function	MOSEL VITELIC INC. Ref. No.: 20006239	No. 458-28, Sinsing Rd. Hukou Township, Hainchu Country Taiwan, R.O.C.	The design and manufacture of solar cells. The procurement, inspection, packaging and delivery of solar modules.
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<p>This annex(edition: 2012-04-26) is only valid in connection with the above-mentioned certificate.</p>								
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Certificate (IC Foundry & Solar)

ISO 14001:2004

CERTIFICATE 

Management system as per
ISO 14001 : 2004

In accordance with TUV NORD CERT procedures, it is hereby certified that
MOSEL VITELIC INC.
No. 1, Creation Rd. 1, Science-Based Industrial Park, Hsinchu, Taiwan, R.O.C. 

with the plant at Hsinchu according to the annex

applies a management system in line with the above standard for the following scope

**Manufacturing of I. C. Foundry Service
Design and Manufacturing of Solar Cell**

Certificate Registration No. 44 104 112402 Valid until 2014-10-24
Audit Report No. 2.5-8613Z011 Initial Certification 2011-10-25


Certification Body
at TUV NORD CERT GmbH

TUV ASIA PACIFIC LIMITED
Unit 01-03 28/F Tower 1,
Millennium City 1,
388 Kwun Tong Road, Kwun Tong,
Kowloon, Hong Kong
2011-10-25

This certification was conducted in accordance with the TUV NORD CERT auditing and certification procedures and is subject to regular surveillance audits.

TUV NORD CERT GmbH Langemarkstrasse 20 45141 Essen www.tuev-nord-cert.com


TGA-2047-2010

OHSAS 18001:2007

CERTIFICATE 

Management system as per
OHSAS 18001 : 2007

In accordance with TUV NORD CERT procedures, it is hereby certified that
MOSEL VITELIC INC.
No. 1, Creation Rd. 1, Science-Based Industrial Park, Hsinchu, Taiwan, R.O.C. 

with the plant at Hsinchu according to the annex

applies a management system in line with the above standard for the following scope

**Manufacturing of I. C. Foundry Service
Design and Manufacturing of Solar Cell**


Certificate Registration No. 2011002 Valid until 2014-10-06
Audit Report No. 2.5-8913Z011


Certification Body
at TUV Asia Pacific Ltd. Taiwan Branch


Taiwan, 2011-10-07

This certification was conducted in accordance with the TUV NORD CERT auditing and certification procedures and is subject to regular surveillance audits.

ISO 14064-1:2006

STATEMENT 

Greenhouse Gases Verification Statement
ISO 14064-1 : 2006


Given to:
MOSEL VITELIC INC. 

Verify Address:
**No. 1, Creation Rd. 1, Science-Based Industrial Park,
Hsinchu, Taiwan, R.O.C.**

The quantity of Greenhouse Gas of the above organization and found to be in accordance with requirements of the standard detailed below:

Report Year	: 2010	
Greenhouse Gas	: 261,441.67	CO2 e Tonnes/year
Materiality	: 5%	
Assurance Level	: Reasonable	

Certificate No. GHG-12255001
Verify Date : 13-12-2011


Certification Body
at TUV NORD Taiwan

Taipei, 10-01-2012

Further clarifications regarding the scope of this statement and the applicability of the standard may be obtained by consulting the organization.
TUV NORD Taiwan Room A1-88, No 333, Sec. 2, Tung Hua S. Rd., Taipei, Taiwan www.tuevnd.com.tw

Solar Module TUV Certificate



TÜVRheinland

Certificate

Registration No.: PV 60036311 Page 1 Report No.: 21207938-3

<p>License Holder: MOSEL VITELIC INC. No. 1, Creation Rd. I Science-Based Industrial Park, Hsinchu, 30077 Taiwan, R.O.C.</p> <p>Manufacturing Plant: 0001-21137539-001</p>	<p>Product: PV Module Type: MB210AM2, MB215AM2, MB220AM2, MB225AM2, MB230AM2, MB235AM2, MB240GM2, MB245GM2, MB250GM2, MB255FM2, MB260FM2, MB265FM2, MB270FM2, MB275FM2, MB280FM2, MB285FM2</p>
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Basis:

<p><input checked="" type="checkbox"/> IEC 61215:2005 EN 61215:2005 "Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval"</p> <p><input checked="" type="checkbox"/> Factory Inspection To document the consistent quality of the product factory inspections are performed periodically.</p>	 www.tuv.com TÜVRheinland ID: 000028816	<ul style="list-style-type: none"> • Qualified, IEC 61215 • Periodic Inspection
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Remarks:

Conditions:
 The product test is voluntarily according to technical regulations. Any change of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval.
The certificate is valid until 6 August 2013.


 Dipl.-Ing. M. Adrian

TÜV Rheinland LGA Products GmbH, Talstrasse 2, D-50431 Nürnberg / Contact: +49 221 806 2477 email: enwtest@de.tuv.com



TÜVRheinland

Certificate

Registration No.: PV 60036312 Page 1 Report No.: 21207938-4

<p>License Holder: MOSEL VITELIC INC. No. 1, Creation Rd. I Science-Based Industrial Park, Hsinchu, 30077 Taiwan, R.O.C.</p> <p>Manufacturing Plant: 0001-21139546-001</p>	<p>Product: PV Module Type: MB210AM2, MB215AM2, MB220AM2, MB225AM2, MB230AM2, MB235AM2, MB240GM2, MB245GM2, MB250GM2, MB255FM2, MB260FM2, MB265FM2, MB270FM2, MB275FM2, MB280FM2, MB285FM2</p>
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Basis:

<p><input checked="" type="checkbox"/> IEC 61730-1:2004 IEC 61730-2:2004 EN 61730-1:2007 EN 61730-2:2007 "Photovoltaic (PV) module safety qualification"</p> <p><input checked="" type="checkbox"/> Factory Inspection To document the consistent quality of the product factory inspections are performed periodically.</p>	 www.tuv.com TÜVRheinland ID: 000028816	<ul style="list-style-type: none"> • Qualified, IEC 61215 • Safety tested, IEC 61730 • Periodic Inspection
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Remarks:

- IEC 61730 consists of part 1 (Requirements for construction) and part 2 (Requirements for testing).
 - The above listed PV modules fulfil the requirements of Application Class A (Safety Class II). They may be used in PV plants at a maximum system voltage (V_{oc} at STC) of up to **1000 VDC**.
 - The fire test (IEC 61730-2 / MST 23) was not performed.

Conditions:
 The product test is voluntarily according to technical regulations. Any change of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval.
The certificate is valid until 6 August 2013.


 Dipl.-Ing. M. Adrian

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MVI's Products

1. Solar Cell :

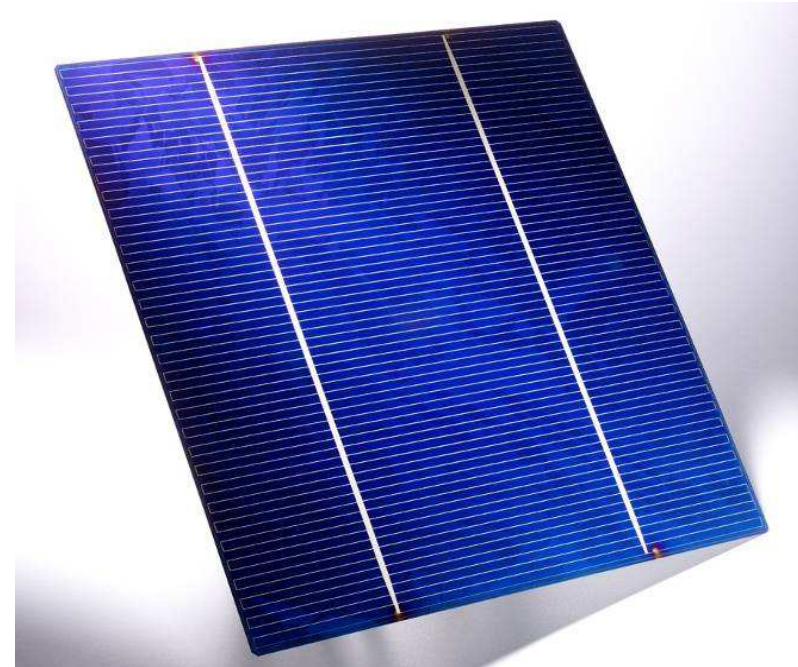
1-1. Solar Cell Products (2 Bus Bars)

Thickness: 200+-30um

Color: Blue or Dark Blue



(mono c-Si)



(multi c-Si)

MVI's Products

1-2. Solar Cell Products (3 Bus Bars)

Thickness: 200+-30um

Color: Blue or Dark Blue



MVI's Products

2. Solar Plant Design/ Procurement :

