

CSIQ NASDAQ LISTED



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Company Description

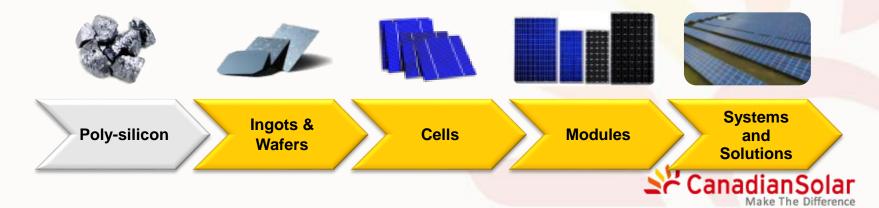
A Canadian company with global reach

- Founded in Ontario, 2001
- Listed on NASDAQ (CSIQ) in 2006
- Over 7,000 employees globally
- Present in 20 countries/territories

One of the world's largest solar module suppliers

- Module shipments of 1.54 GW in 2012
- 2.4GW annual module manufacturing capacity in Q4-2013
- Expected module shipments of 1.75-1.77GW in 2013

Vertically integrated manufacturer of ingots, wafers, cells, modules and solar system and solutions





Industry Rank (Shipments)

	2009	2010	2011	2012	9M-2013	GW*
1 st	First Solar	Suntech	Suntech	Suntech Yingli		2.29
2 nd	Suntech	First Solar	First Solar	Suntech	Trina Solar	1.82
3 rd	Sharp	Sharp	Yingli	Trina Solar	Sharp	1.41
4 th	Yingli	Yingli	Trina Solar	Canadian Solar	Canadian Solar	1.27
5 th	SunPower	Trina Solar	Canadian Solar	First Solar	First Solar	1.24
6 th	Kyocera	Canadian Solar	Sharp	Sharp	Jinko Solar	1.23
7 th	Trina Solar	Hanwha Solar	SunPower	JA Solar	ReneSola	1.22
8 th	Canadian Solar	Kyocera	Jinko Solar	Jinko Solar	Hanwha Solar	0.91
9 th	Hanwha Solar	SunPower	Hanwha Solar	SunPower	JA Solar	0.81
10 th	Solar World	Solar World	Kyocera	Hanwha Solar	SunPower	0.70

Source: Company issued press releases, analyst reports, Canadian Solar analysis

[•] Estimates based on shipments recognized into revenue indicate Canadian Solar is tied and among top three suppliers in 2012



Business Focus

Project Development & Total Solutions

- Residential system kits
- Commercial rooftops
- Development and construction of utility scale power plants

EPC Services

- Leverage competitive supply chain
- **Build on core expertise**
- Capture additional margin

Module Sales

- Virtually integrated flexible business model
- Leading cost position
- Bankable brand
- Global footprint

Total Solutions including System Kits, EPC Services, Project Development are targeted to be ~31% revenue in 2013, up from 13% in 2012



Investment Highlights

Differentiated Business Model

- Canadian Solar's solar power project pipeline in Canada (499MW), U.S. (198MW), Japan (278MW) and China (40MW) currently is over 1.0 GW (dc)
 - Currently assessing 200MW of additional project opportunities in Japan and multiple GW globally.
 - > Soft project pipeline in China and other markets exceeds 3.5 GW (dc)
 - Landmark agreement to build 130MWdc solar power plant for phase 1 of Samsung's renewable energy initiative in Ontario, Canada. Phases 2 and 3 may add an additional 260MWdc, when and if approved.

Industry Leading Cost Structure

- All-in module manufacturing cost at \$0.55 per watt in the third quarter of 2013
 - Virtually-integrated ~2GW wafer-to-module platform drives manufacturing efficiencies while minimizing capital expenditure
- Strategic wafer partnership guarantees reliable supply at industry leading cost structure

Global Footprint and Bankable Brand

- Track record of growing shipments and increasing market share
- Over 5.0 GW of modules installed in more than 70 countries
- Industry leading, tier-1 customer base

Large and Growing Market

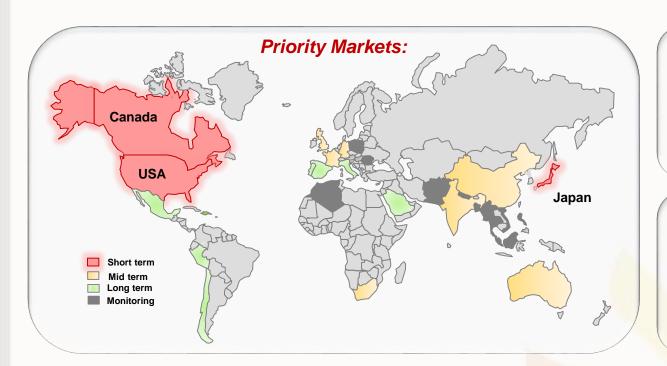
- Market is expected to grow as solar energy adoption accelerates in 2014 and beyond
- Growth drivers include: retail grid-parity, concern for the environment, energy security, move away from nuclear, demand for distributed energy in emerging markets, among other factors.



Business Differentiator: Our Project Strategy

Where we see opportunity

- 1. Short term focus on markets where we believe it is more likely to sell projects upfront, before starting construction
- 2. Professionalize the development activity through partnerships with developers that do not have the financial capability to complete their projects
- 3. Mid- and long-term focus on markets where grid parity at utility scale most likely to happen



Contracted/Late-Stage Project Backlog¹:

1.0 GW(dc)

Early to Mid-Stage of Development Pipeline²:

>3.5GW(dc)

Key success factors

- 1. Canadian Solar has a strong **team** with experience in project development, EPC, and M&A
- 2. Our team has the ability to conduct **risk assessment**, and understand impact on cash flows
- 3. Speed, we have a process in place for quick decision making
- 4. We have proven access to **finance** and expect to develop risk insurance options for difficult regions
- 5. We have developed partnerships with developers and end buyers for quick access to equity
- 1. Late-stage project and EPC contract backlog as of the end of Q3 2013: nearly all projects have an energy off-take agreement and are expected to be built within the next 2 years; Over 200 MW(dc) are currently under construction.
- 2. Early to mid-stage of development: includes projects under assessment for co-development and acquisition, as well as projects being self-developed where the land has been identified or secured, and an energy off-take agreement is in place or there is a reasonable probability that an energy off-take agreement is in place or there is a reasonable probability that an energy off-take agreement is in place or there is a reasonable probability that an energy off-take agreement is in place or there is a reasonable probability that an energy off-take agreement is in place or there is a reasonable probability that an energy off-take agreement is in place or there is a reasonable probability that an energy off-take agreement is in place or there is a reasonable probability that an energy off-take agreement is in place or there is a reasonable probability that an energy off-take agreement is in place or there is a reasonable probability that an energy off-take agreement is in place or there is a reasonable probability that an energy off-take agreement is in place or there is a reasonable probability that an energy off-take agreement is in place or there is a reasonable probability that an energy off-take agreement is in place or there is a reasonable probability that an energy off-take agreement is in place or the energy of energy of the energy of the energ

Business Differentiators: Canadian Project Backlog Ontario **Owned Projects End Buyer** Size **Status CanadianSolar** Liskeard 1. 3 and 4 30 MW AC In Construction (COD 2014) TransCanada New Liskeard 2 William Rutley 10 MW AC **Commercial Operation** TransCanada 3 Alfred COD 2015 TransCanada 10 MW AC Ontario Solar PV Mississippi Mills 10 MW AC **Commercial Operation** TransCanada 23 **Projects** 5 Burritts Rapids 7 MW AC SALE CLOSED in 3Q13 TransCanada Brockville 1 10 MW AC SALE CLOSED in 2013 TransCanada Elliot Lake . Brockville 2 9 MW AC SALE CLOSED in 3Q13 TransCanada North Bay 8 Foto Light LP 10 MW AC **COD 2014** TBD 9 Illumination LP 10 MW AC COD 2015 10 Little Creek 8.5 MW AC In Construction (COD 2014) BluEarth Ottawa 11 Gold Light LP **COD 2014** DIF 10 MW AC 12 Beam Light LP COD 2015 10 MW AC ¹³ Earth Light LP COD 2015 10 MW AC Concord 14 Lunar Light LP COD 2015 10 MW AC BluEarth 15 Discovery Light LP 10 MW AC **COD 2014 TBD** 16 Sparkle Light LP 10 MW AC COD 2014 BluEarth Owen 17 Glen Arm **COD 2014** DIF 10 MW AC Sound 18 Good Light LP 10 MW AC In Construction (COD 2014) **BluEarth** 19 Aria LP **COD 2015** Concord 9 MW AC 20 Ray Light LP 10 MW AC In Construction (COD 2014) Concord 21 Mighty Solar LP 10 MW AC In Construction (COD 2014) Concord Toronto 22 City Lights LP 10 MW AC COD 2014 TBD Hamilton 23 Highlight (Val Caron) 10 MW AC In Construction (COD 2014) Concord Niagara Falls 26 Oro-Medonte 4 10 MW AC **COD 2014 TBD** Sarnia London • 27 Westbrook 10 MW AC In Construction (COD 2014) **TBD EPC Projects** End Buyer Construction (COD 2014) 24 Taylor Kidd BlackRock Windsor Sale Closed 3Q13 In Construction (COD 2014) 25 Demorestville BlackRock Sale Closed 3Q13 28 Penn Energy 29 MW AC In Construction (COD 2014) Penn **Grand Renewable** 100 MW AC In Construction (COD 2015

> Canadian Solar Owned Projects and EPC backlog in Ontario is expected to generate over C\$1.7 Billion in revenue over the next 18-24 months.



GRSP

Business Differentiators: Canadian Presence

Project Development Hub

- Track record as EPC/Developer on over 58MW AC of utility-scale projects
- Contracted EPC on 149MW AC utility-scale projects in Ontario
- Developer and EPC on 24 utility-scale projects scheduled to be built through 2015

Module Capacity:

330 MW

Ontario Pipeline (DC):

~499 MW

Only Tier 1 Supplier to Establish (Fully Automated) Module Plant in Ontario









Business Differentiators: U.S. Late Stage Pipeline



Canadian Solar late-stage solar power project pipeline in the U.S. totals 198MW_{dc}, with 91MW_{dc} expected to be completed in 2013



Business Differentiators: Japan Utility-Scale Opportunity



Late Stage Development Pipeline:

278 MW

Early-stage Preliminary Assessment Opportunities:

200 MW

Sample Project



Land to be leased

Project size 12.5 MWp

Expected yield 1,130 kWh/kWp

Connection voltage 110 kV

Substation on site

FiT 40 JPY/kWh

METI and utility permits obtained



Business Differentiators: Japanese Residential Market





Market Entry:

2009

2012 Revenue:

\$120m





























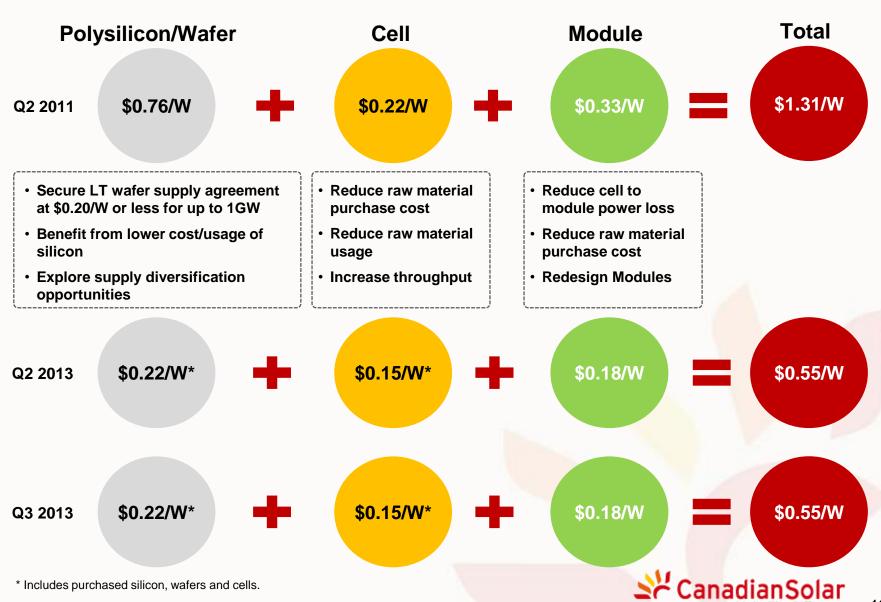








All-in Pure Manufacturing Cost in China



Capacity Expansion Plan

Desired Capacity = Differentiated Products with Industry Leading Cost Structure

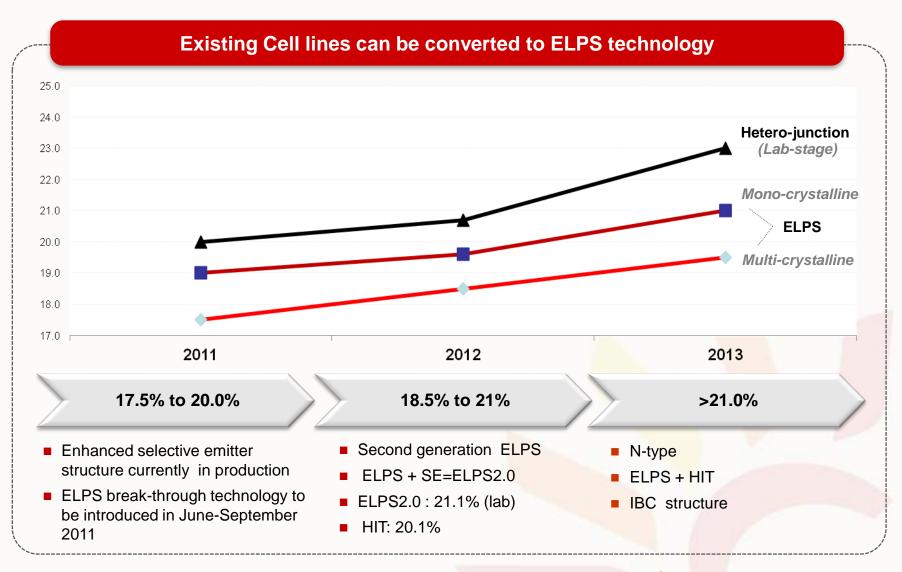


- Cell capacity expansion include 600MW through external supply partners
- In-house cell capacity targeted at 75% of module shipments

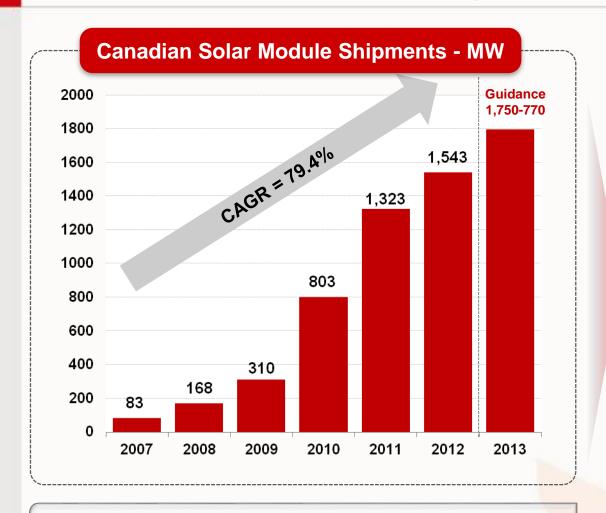


^{**}As of the date of this presentation all capacity expansion targets are on hold.

Cell Efficiency Roadmap

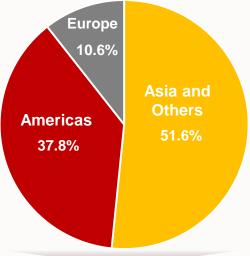


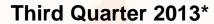
Global Footprint and Growing Market Share

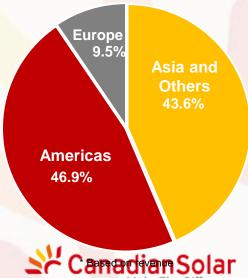


Well positioned as one of the world's largest PV module suppliers with over 5GW delivered to customers in over 70 countries.

Second Quarter 2013* Europe 10.6%







World Class Product Portfolio



Quality and Performance Certification

International Environmental & Quality Management Standards

- ISO 9001:2008 Quality Management System
- QC080000:2005 HSPM Hazardous Substance Process Management
- ISO 14001 Environment Management System
- ISO TS16949:2009 First PV manufacturer to adopt ISO TS16949 for PV quality control
- OHSAS 18001 Occupational Health and Safety

International Testing Standards

- IEC 61215 & IEC 61730, UL 1703 & UL 790 & CEC
- CE conformity, MCS (EN45011)
- **REACH Compliance**

√ IEC 61215 Corrosion **Ammonia Resistance** √ PID free **√ REACH Compliant**



































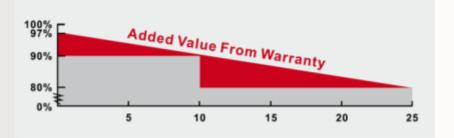




Industry Leading Warranty

Product Workmanship and Power Output Performance Warranty...

- 10-year product workmanship warranty
- 25-year linear power output performance guarantee
 - Guarantee 97% of the labeled power output in the first year
 - Decline of no more than 0,7% annually
 - By year 25 the actual power output will be no less than 80% of the module's labeled power output

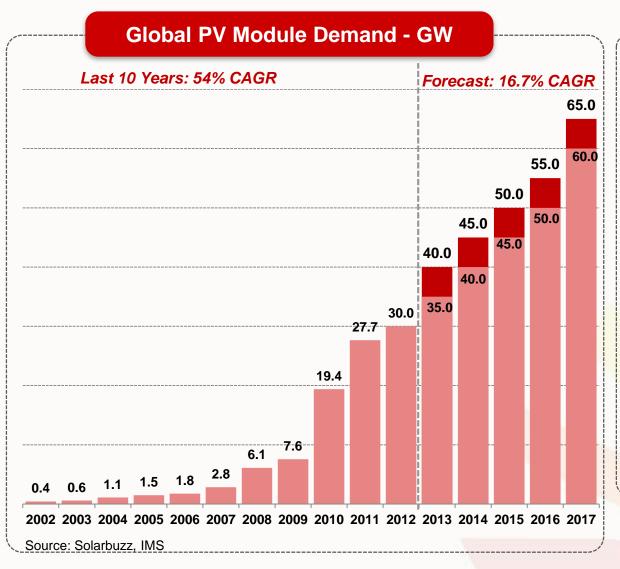


....Backed by an Investment Grade Insurance Policy

- Insurance policy matches Canadian Solar's standard warranty terms
- Coverage starts immediately and lasts for 25 years
- Covers worldwide modules sales from all CSI subsidiaries to most countries
- The policy is non cancelable and allows third party bankruptcy rights (satisfying investors/ lenders requirements)
- Insurance purchased underwritten by:
 - International Insurance Company of Hannover Limited AM Best Rating: A XV. www.inter-hannover.com
 - RSUI Indemnity Company AM Best Rating: A XII. www.rsui.com



Large and Growing Market Opportunity



Key Drivers

Past:

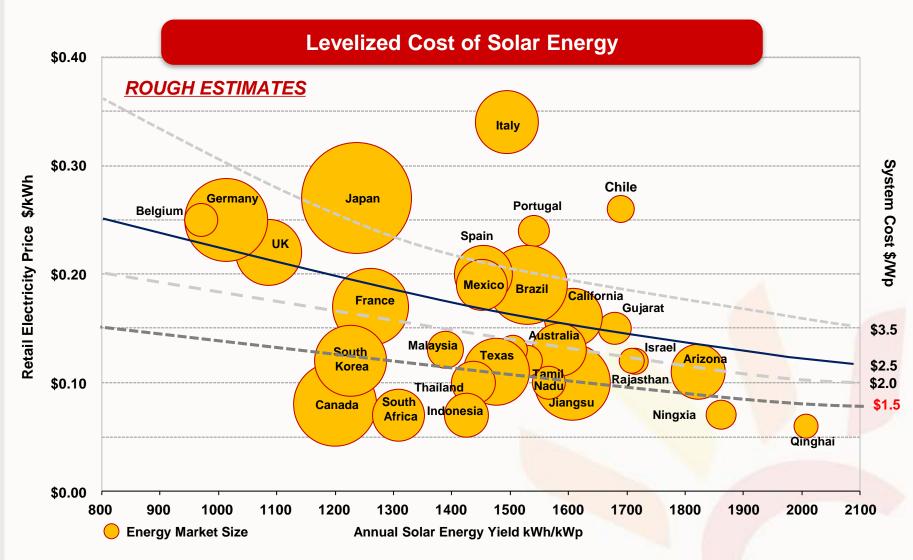
- ✓ Government incentives
- ✓ Lower system prices

Future:

- ✓ Grid parity
- ✓ Rural electrification
- ✓ Energy security
- ✓ Fuel substitution
- ✓ Energy diversity
- ✓ Environment preservation
- ✓ Distributed energy
- ✓ Move away from nuclear



Retail Grid-parity in Selected Markets



Source: PHOTON Consulting analysis based on data from EIA and Eurostat

Management Team and Board

International Background + Extensive Industry Experience

Name / Title



Dr. Shawn Qu (Xiaohua) Chairman, President & CEO (Director)



Michael G. Potter

SVP and Chief Financial Officer



Yan Zhuang
SVP and Chief Commercial Officer



Guangchun ZhangChief Operating Officer

Working Experience

- Director & VP, Photowatt International S.A.
- Research scientist, Ontario Power Generation Corp.
- Corporate Vice President and CFO of Lattice Semiconductor Corp.
- Senior Vice President and CFO of NeoPhotonics Corp.
- Head of Asia of Hands-on Mobile, Inc.
- ✓ Vice President for R&D and Industrialization of Manufacturing Technology, Suntech Power Holdings
- Centre for Photovoltaic Engineering at the University of New South Wales and Pacific Solar Pty. Limited.

Experienced Independent Directors

Robert McDermott

Chairperson of the Corporate Governance, Nominating and Compensation Committees

- Partner with McMillan LLP, a business and commercial law firm
- Director and senior officer of Boliden Ltd.

Lärs-Eric Johansson
Chairperson of the Audit Committee

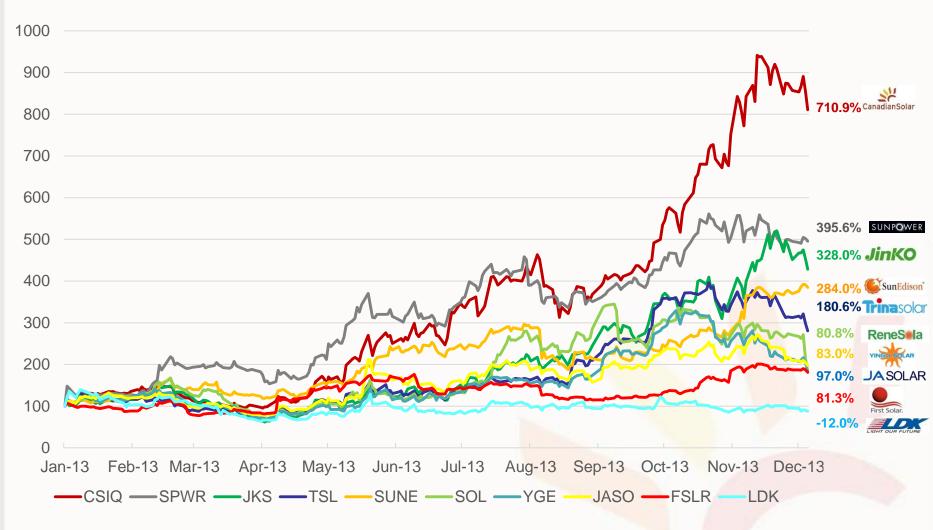
- CEO of Ivanhoe Nickel & Platinum Ltd.
- Chairperson of the audit committee of Harry Winston Diamond Corp.

Dr. Harry E. Ruda
Member of the Audit Committee and
Compensation Committee

Director of the Centre for Advanced Nanotechnology, the Stanley Meek Chair in Nanotechnology and Prof. of Applied Science and Engineering at the University of Toronto, Canada



2013 Share Price Performance Relative to Peers



Source: Nasdaq Corporate Solutions as of December 6 2013

The Key Levers of our Strategy

Differentiate Business Model

- Leverage CSI's existing expertise to expand and monetize utility scale project opportunity (e.g. Canada, U.S., Japan, China)
- Expand residential system kits

Maintain Lowest Manufacturing Cost

Reduce manufacturing costs to remain competitive

Leverage Manufacturing Scale

Increase market share to remain among the Top-4 manufacturers and on the short list of key accounts

Introduce New Technologies

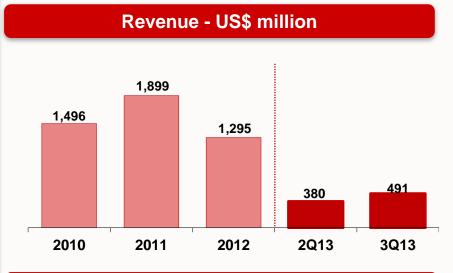
ELPS, Smart Module, QUADTECH

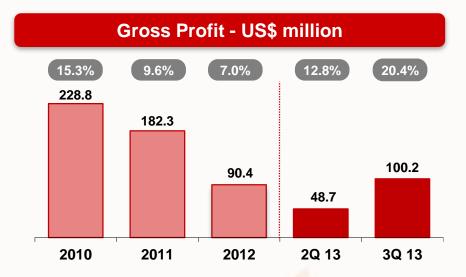
Goal is to be profitable and among the top-4 global module manufacturers, with over 10% share of the global PV module market

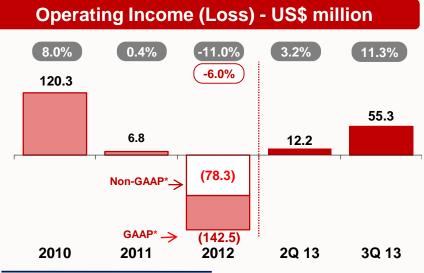


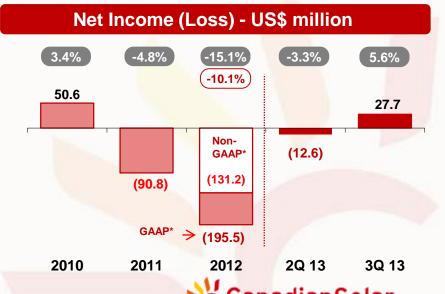
Financial Highlights

Key Performance Indicators









Margin

- Non-GAAP measure excludes non-cash charges for A/R and Arbitration Award.
- Reconciliation of GAAP to Non-GAAP is found at the end of this presentation.

Key Performance Indicators

,	Operating Leverage]					
		2011	2012	Q1 2012	Q2 2012	Q3 2012	Q4 2012	Q1 2013	Q2 2013	Q3 2013	
	Selling	3.7%	7.0%	6.2%	7.0%	6.6%	8.5%	7.1%	5.2%	4.3%	
	G&A	4.5%	5.0%*	4.7%	5.3%	5.2%	5.8%*	6.2%**	3.5%	4.2%	
	R&D	1.0%	1.0%	0.9%	1.0%	1.0%	1.1%	0.9%	0.8%	0.6%	
	Operating Expense	9.2%	13.0%*	11.8%	13.3%	12.8%	15.4%*	14.2%	9.5%	9.2%	

^{*}Fourth quarter of 2012 excludes \$61.3 million non-cash provision for bad debt and arbitration award. Including these provisions, fourth quarter 2012 G&A and operating expenses represented 26.5% and 36.1% respectively. Fiscal year 2012 excludes \$64.2 million non-cash provision for bad debt and arbitration award. Including these provisions, G&A and operating expenses for fiscal 2012 represented 10.0% and 18.0% respectively; **Excludes arbitration award reversal totaling \$30 million.

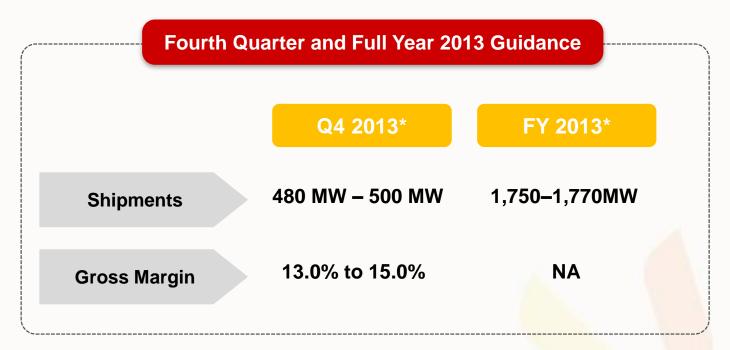


Summary Balance Sheet

US\$ million	September 30, 2013	June 30, 2013	December 31, 2012	December 31, 2011
Cash and Restricted Cash	681.7	540.6	564.3	522.3
Accounts Receivable	271.8	262.9	254.9	292.2
Inventories	220.6	218.5	274.5	296.6
Other Current Assets	479.0	566.0	348.5	184.5
Total Current Assets	1,653.1	1,588.0	1,442.2	1,295.6
Property, Plant and Equipment	426.8	441.9	469.6	510.1
Other Non-current Assets	273.7	229.5	347.5	74.1
Total Assets	2,444.3	2,259.4	2,259.3	1,879.8
Short Term Borrowings	801.6	813.6	858.9	743.7
Accounts Payable	589.7	463.1	461.6	306.0
Other Current Liabilities	308.4	282.1	219.8	186.8
Total Current Liabilities	1,699.8	1,558.8	1,540.3	1,236.5
Non-current Liabilities	348.8	389.8	372.3	176.3
Redeemable non-control. interest	22.6	33.2	45.1	
Total Equity	373.0	288.6	301.6	467.0
Total Liabilities and Equity	2,444.3	2,259.4	2,259.3	1,879.8



Outlook and Guidance



• Company Press Release, *Nov 13, 2013



Selected Projects: Canada





Brockville I, Ontario Canada

CSI Role: Project Owner and Developer

Status: Sale to TransCanada closed Q2 2013

Brockville II, Ontario Canada

CSI Role: Project Owner and Developer

Status: Sale to TransCanada closed Q3 2013

Selected Projects: Canada



William Rutley, Ontario Canada CSI Role: Project Owner and Developer Status: Connected to the grid Note: Sale to TransCanada pending



Reconciliation of GAAP to Non-GAAP Measures

To supplement its financial disclosures presented in accordance with GAAP, Canadian Solar uses non-GAAP measures which are adjusted from the most directly comparable GAAP results for certain items, as described below. The Company presents non-GAAP adjusted net loss so that readers of the press release can better understand the underlying operating performance of the business before the impact of the provision for the arbitration decision and the bad debt allowance for doubtful accounts in the fourth quarter of 2012. The non-GAAP adjusted net loss is not a measure of financial performance under U.S. GAAP, and should not be considered in isolation or as an alternative to operating cash flows and other measures determined in accordance with GAAP.

Statement of Operations Data: (In Thousands of US Dollars)

Twelve Months Ended

	December 31,2012	December 31,2011	
GAAP net loss attributable to Canadian Solar Inc.	(195,469)	(90,804)	
Non-GAAP loss adjustment items:			
Bad debt allowances	34,191	18,537	
Loss accruals for an arbitration in favor of LDK	30,054	- 1	
Non-GAAP net loss attributable to Canadian Solar Inc.	(131,224)	(72,267)	



CanadianSolar