Investor Fact Sheet

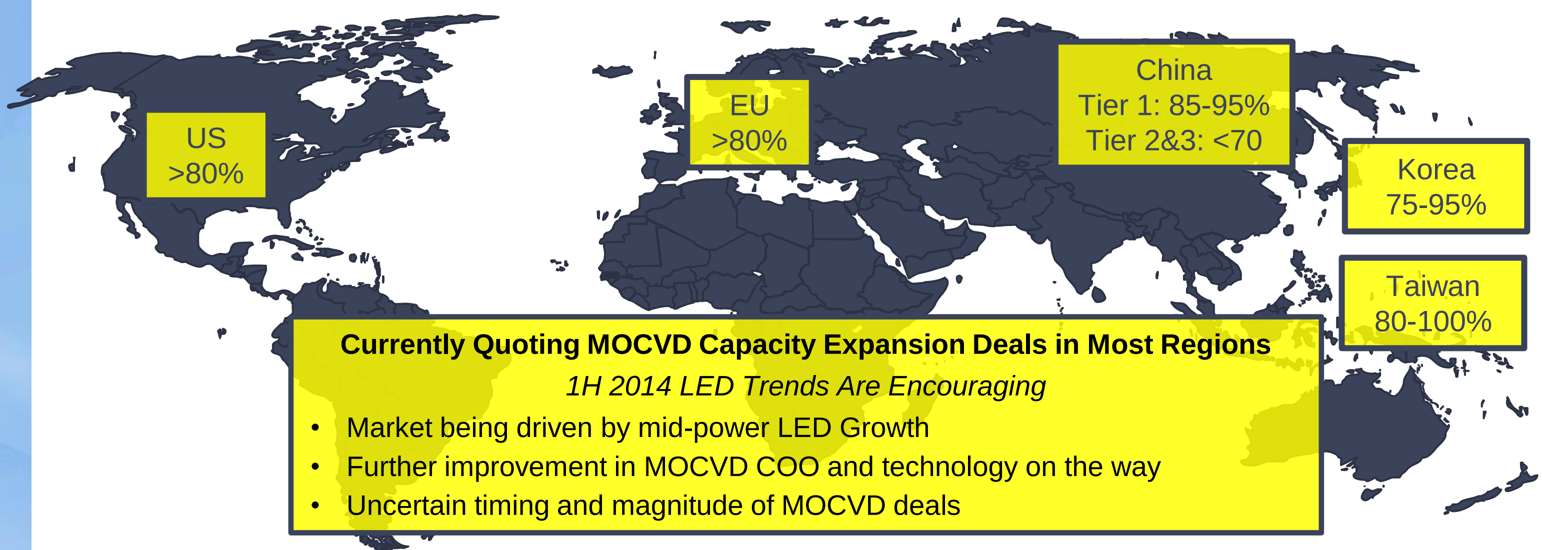
Q1 2014
May 5, 2014

Veeco's Top Priorities

- Developing and launching game changing new products
- Improving customers' cost of ownership as well as our gross margins
- Driving process improvement initiatives
- Lowering expenses

Transition to Profitable Growth

LED Fab Utilization Rates High and Stable



Currently Quoting MOCVD Capacity Expansion Deals in Most Regions

1H 2014 LED Trends Are Encouraging

- Market being driven by mid-power LED Growth
- Further improvement in MOCVD COO and technology on the way
- Uncertain timing and magnitude of MOCVD deals

Pursuing Multiple ALD Growth Opportunities with FAST-ALD

OLED Mobile
$200-400M
TAM

OLED TV & Lighting
>$200M
TAM

Solar & Other
>$200M
TAM

Semiconductor
>$200M
TAM

Energy Storage
>$100M
TAM

Making Significant R&D Investments to Drive Flexible OLED & Adjacent Markets

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Veeco

Q1 2014 Financial Highlights – A Better Start to the Year

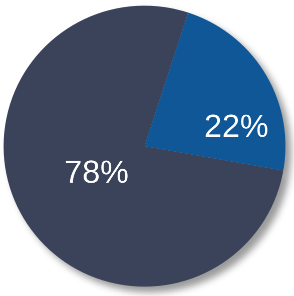
Q1 Revenue up 24% sequentially to $91M	*Improvement in MOCVD business drives revenue growth*
Q1 Orders up 21% sequentially to $103M	*Best MOCVD order quarter since Q3 2011*
Cash and Short Term Investments $483M	*Balance sheet remains very strong*

Q1 2014 Revenue Highlights - $91M

LED & Solar
~$71M

MOCVD $64M; up 28% sequentially

MBE $7M



Data Storage
~$20M

Data Storage up 20% sequentially

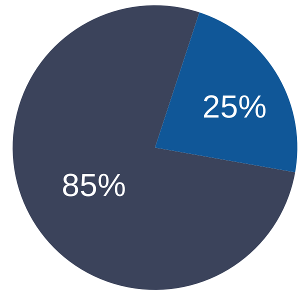
Q1 2014 Order Highlights - $103M

LED & Solar
~$87M

MOCVD up at 59% sequentially

MBE $5M; down 59% sequentially

No ALD orders



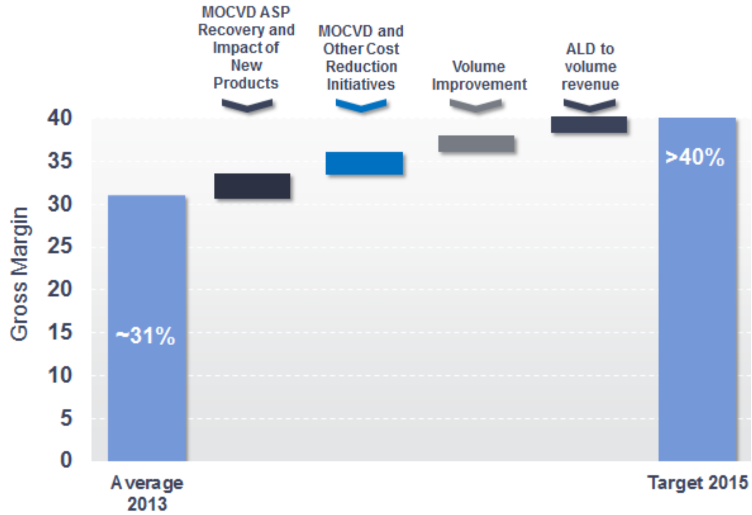
Data Storage
~$15M

Down 29% sequentially; continued lack of capacity buys

Q2 2014 Guidance

	Q2 2014
Orders	Similar to or better than Q1
Revenue	$87-97 million
Gross Margins	30-32%
OPEX (includes equity comp & excludes amortization)	$42-43 million
GAAP EPS	($0.46)-($0.36)
Non-GAAP EPS	($0.23)-($0.14)

Gross Margin Recovery Plan



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To the extent that this news release discusses expectations or otherwise makes statements about the future, such statements are forward-looking and are subject to a number of risks and uncertainties that could cause actual results to differ materially from the statements made. These factors include the risks discussed in the Business Description and Management's Discussion and Analysis sections of Veeco's Annual Report on Form 10-K for the year ended December 31, 2013 and in our subsequent quarterly reports on Form 10-Q, current reports on Form 8-K and press releases. Veeco does not undertake any obligation to update any forward-looking statements to reflect future events or circumstances after the date of such statements. In addition, this presentation includes non-GAAP financial measures. For GAAP reconciliation, please refer to the reconciliation section in this presentation as well as Veeco's financial press releases and 10-K and 10-Q filings available on www.veeco.com. Note: All results presented herein are for Veeco's "Continuing Operations" which excludes the Metrology business sold to Bruker Corporation on October 7, 2010 and Veeco's Discontinued CIGS Solar Systems Business, effective September 27, 2011.

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