



Aurora

Solar Technologies

Process control for profitable solar cell manufacturing

Corporate Presentation – April 2021

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www.aurorasolartech.com TSX-V: ACU, OTCBB: AACTF, FRA: A82

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Aurora Solar Technologies Today

- Provides quality control systems for solar cell manufacturers that INCREASE YIELD and enhance PROFITABILITY
- Large installed base of products throughout East Asia
- Launching new, subscription-based, Insight™ software product focused on real time, solar cell production quality assessment

Aurora Solar Technologies

TSXV: ACU | OTCQX: AACTF

FRA: 6LG

ACU Share Price ¹	\$0.33
Market Cap ¹	\$41.5M
TTM Revenue ²	\$2.5M
Cash & Cash Equivalents ²	\$2.2M
Shares Outstanding ³	127.7M
Float ⁴	84.0%
Insider Holdings ¹	6.6%
Headquarters	Vancouver, BC

¹As of April 9, 2021

²Balance sheet and income statement as of December 31, 2020

³Basic shares outstanding per latest MD&A (February 26, 2021)

⁴Float excludes insider holdings (6.6% of shares outstanding) and shares held by Pathfinder Asset Management (9.4% of shares outstanding)

Note: All figures in \$C unless otherwise noted

Solar Energy Has Long-Term Tailwinds

- Now the cost leader in many jurisdictions
 - Since 2009, the installed costs for solar projects have decreased by 80%
 - Less costly than other generation methods, including nuclear, coal, gas, wind, and geothermal
- Poised to overtake coal as the world's largest source of power by 2025 with \$187B in capital investment projected between 2020 and 2030 in the US alone (pre-Biden administration projections)
- *"The lower costs and more rapid growth for solar seen in this year's outlook means there will be record-breaking additions of new solar capacity in every year from 2020"* – IEA
- Policy has shifted to focus on clean energy seeking to lower carbon emissions
- Tackling climate change is at the forefront of President Joe Biden's agenda, with a \$2 trillion clean energy spending plan to be passed within his first four years in office

US\$2 trillion

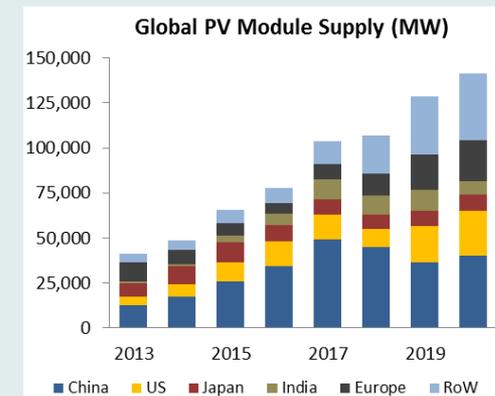
Clean energy plan underway
Biden Administration accelerating

300%

Additional solar capacity growth
required by 2025 to meet Net Zero
Emission ("NZE") 2050 goals

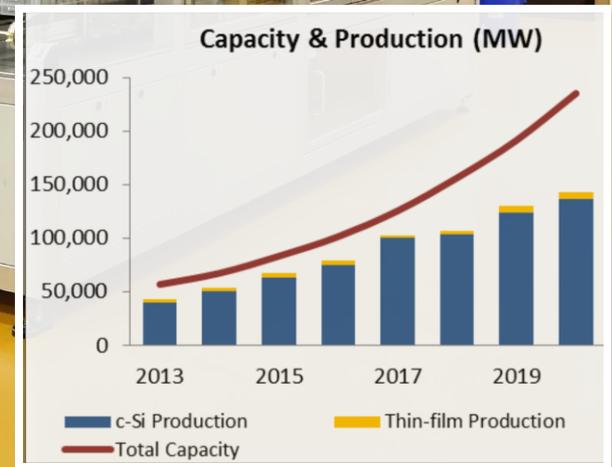
+43%

2020 vs. 2018 IEA forecast for solar output



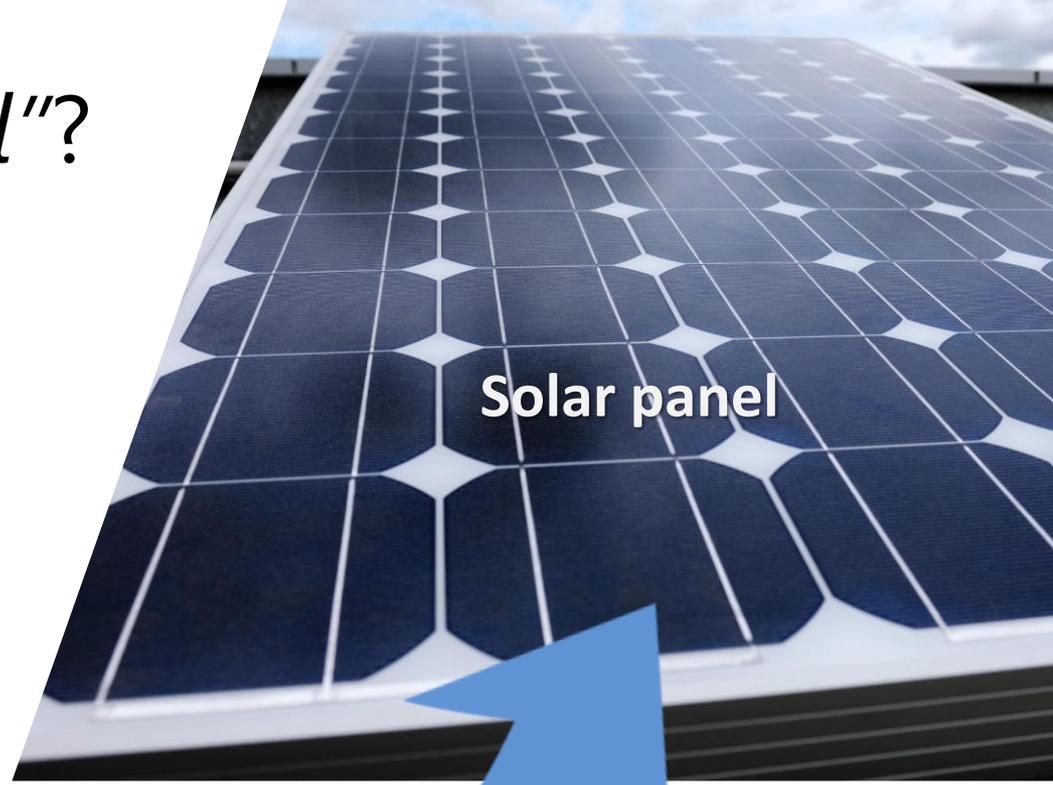
Aurora's Market

- **Solar cell manufacturers** that must scale profitably
- Over **30 billion solar cells** made per year
- Industry growth: **25% CAGR**
- Annual CAPEX for solar cell manufacturers: **\$5.5 billion**
- Of this, **Aurora's addressable market is \$509 million**

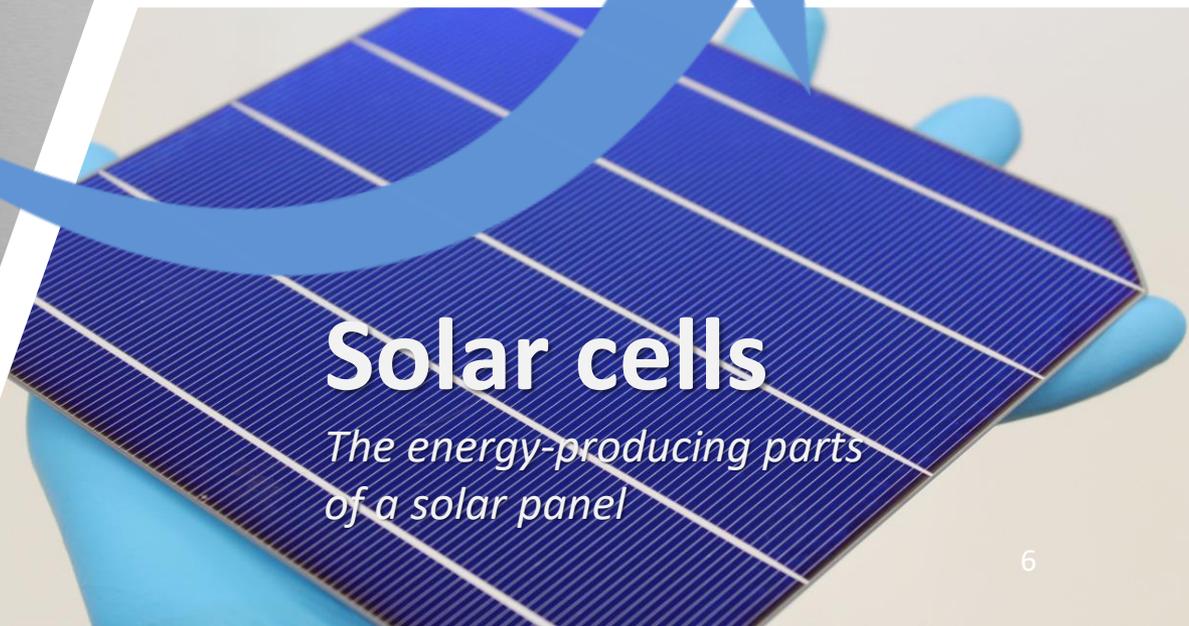


What's a solar "cell"?

Silicon wafers



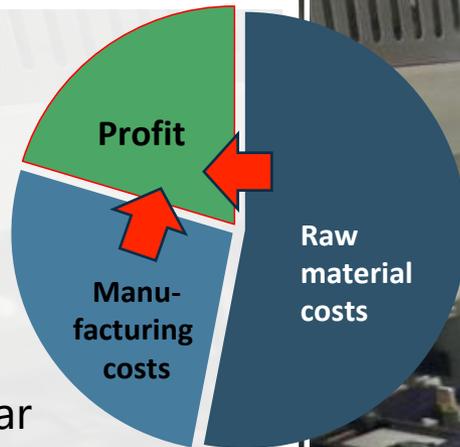
Solar panel



Solar cells

*The energy-producing parts
of a solar panel*

Need



Lost profit in solar cell manufacturing

- High raw material and processing costs relative to finished goods selling price
- Relentless price competition
- Unlike other industries, NO effective tools to measure and maximize plant yield and minimize costs



Solution

Measure

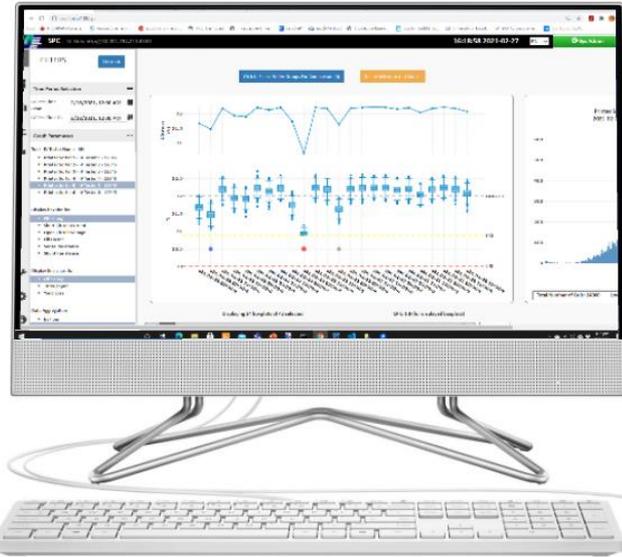
- Instrumentation to monitor critical-to-quality manufacturing processes

Visualize

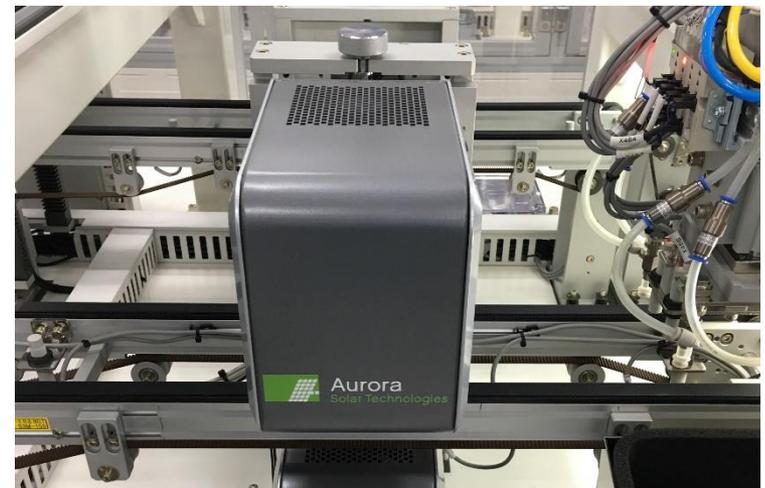
- Real-time graphical representation of equipment behaviour

Control

- **SaaS-based analytics and control** to profitably maximize manufacturing throughput and yield
 - Plant-wide performance monitoring
 - Rapid event detection and isolation
 - Failure mode analysis/troubleshooting
 - Reporting and collaboration



Insight™ plant analytics and control



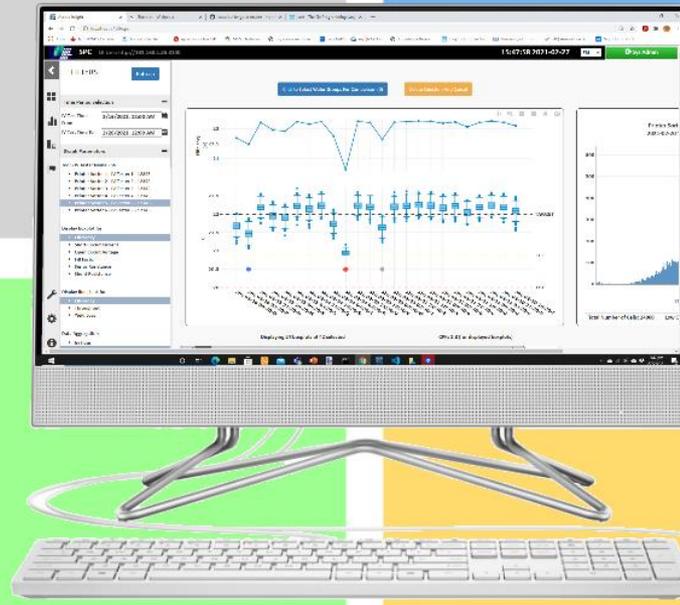
DM™ series measurement systems

Aurora's Insight™ SaaS brings together:

Plant wide performance monitoring



Rapid event detection and isolation



Reporting and Collaborative Action

Failure mode analysis/troubleshooting

Results

- **Increased revenue** due to higher-quality finished goods and more plant throughput
- **Reduced operating costs** due to lower engineering expense and wastage
- **Increased profit**
 - Estimated at USD \$6M to \$13M per year, per facility *

* Per 5 GW of annual production



Key Investment Highlights



LARGE AND GROWING ADDRESSABLE MARKET



LEVERAGING MARKET PRESENCE IN THE LARGEST SOLAR MARKET IN THE WORLD – CHINA



NEW INSIGHT SAAS PRODUCT TARGETED TO SET STANDARD FOR QUALITY MANAGEMENT REVOLUTION WITHIN THE SOLAR INDUSTRY



GLOBALY RECOGNIZED TEAM IN THE SOLAR INDUSTRY, RESPECTED AND INFLUENTIAL



STRONG LEADERSHIP AND BOARD WITH TRACK RECORD OF CREATING VALUE

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