



Annual and Special Meeting of Shareholders
2021

A unifying platform for Chip-Scale Hybrid Integrated Photonics

TIME	ACTIVITY	PRESENTER
1:00pm – 1:15pm	Introductions and Call to Order	Kevin Barnes
1:15pm – 1:45pm	Formal Shareholder Meeting	
	Chairman	Peter Charbonneau
	Scrutineer	Billy Chau, Computershare
1:40pm – 2:30pm	Presentations	Suresh Venkatesan / Vivek Rajgarhia / Thomas Mika
2:30pm – 2:50pm	Q&A	POET Management
2:50pm – 3:00pm	Conclusion	Kevin Barnes

Peter Charbonneau

Lead Director, Governance Committee

Suresh Venkatesan

Chief Executive Officer

Vivek Rajgarhia

President & General Manager

Thomas Mika

Chief Financial Officer

Kevin Barnes

VP Finance and Administration and Treasurer

Jean Louis Malinge

Director, Governance Committee, Audit Committee

Mohandas Warrior

Director, Compensation Committee

Glen Riley

Director, Compensation Committee

- Appointment of Secretary of Meeting and Scrutineer
- Notice of Meeting
- Scrutineer's Report
- Destruction of Proxies
- Minutes of the Previous Meeting
- Financial Statements and Auditor's Report
- Election of Directors
- Appointment of Auditors
- Approval of Stock Option Plan
- Consolidation of issued and outstanding shares
- Other Business
- Termination of Meeting

The Shareholders will vote on the following resolutions:

1. to receive the audited consolidated financial statements of the Company for the financial year ended December 31, 2020 together with the auditor's report thereon as well as the unaudited condensed consolidated financial statements for the three and six months ended June 30, 2021;
2. to elect six directors to hold office until the next Annual Meeting of Shareholders or until their successors are elected or appointed;
3. to appoint Marcum LLP as the auditors of the Company and to authorize the directors to fix their remuneration; and
4. to pass an ordinary resolution approving the amendments to the Company's Stock Option Plan and approving the 2021 Plan as amended with Insiders of the Company abstaining from voting, as set out in the Circular;
5. to consider and, if deemed appropriate, approve a special resolution substantially in the form set forth in the Circular authorizing an amendment to the articles of the Company to effect a consolidation (the "Consolidation") the outstanding Shares on the basis of one post-Consolidation Share for a number of pre Consolidation Shares to be determined within a range of two and 10 pre-Consolidation Shares (the "Range") and authorizing the directors of the Company to determine the final Consolidation ratio within such Range;
6. and to transact such further or other business as may properly come before the Meeting or any adjournments thereof.



POET Annual General
Meeting **2021**

A unifying platform for Chip-Scale Hybrid Integrated Photonics

Suresh Venkatesan
Chairman and Chief Executive Officer

New Product Innovation

Agenda

- ❑ POET Vision and Strategy
- ❑ Product Development and Introduction
- ❑ Finance
- ❑ Questions and Answers

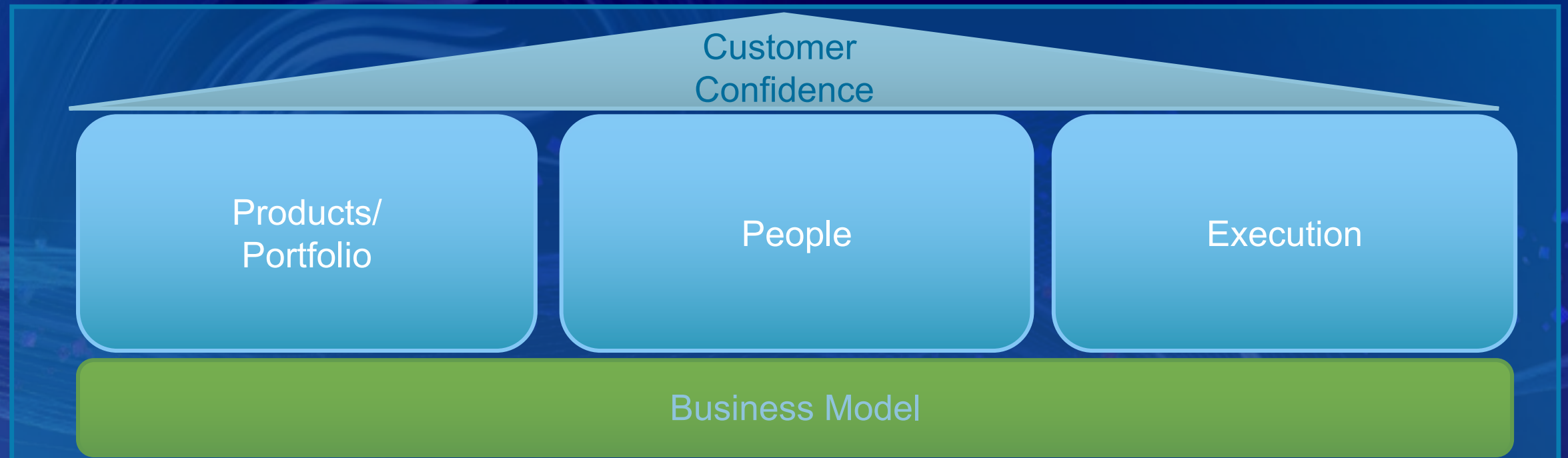
New Product Innovation



Vision: To become the **global leader** in chip-scale integrated photonics solutions by deploying our **Optical Interposer** technology, enabling seamless integration of electronics and photonics for a broad range of vertical market applications

Mission: Establish an industry leadership position in **chip-scale integrated photonics** with validated disruptive, IP protected, Optical Interposer platform components for Datacenter, 5G and Co-packaged Optics

Building Blocks for
Sustainable
Growth



Overall Business Strategy

1 **Baseline Business** - Design, develop and sell devices based on the Optical Interposer for Datacom

2 **Joint Venture** - Deliver maximum cash flow; Exploit “localization” imperative in China

3 **Inorganic Growth** - M&A to provide added content, product differentiation or customer access

4 **New verticals** : Establish strategic customer relationships to enter Healthcare or Sensing Mkt

5 **Adjacent Market Segments** : Strategic entry into DCI (Coherent), Telecom (5G) etc.

6 **Proliferation** : Explore technology licensing opportunities for growth in non-competitive sectors

POET's Commercialization Roadmap



POET's immediate focus (2021,2022) is to deploy solutions into the Datacom market, although the platform lends itself to multiple applications across multiple market verticals

Current Focus (2021,2022)

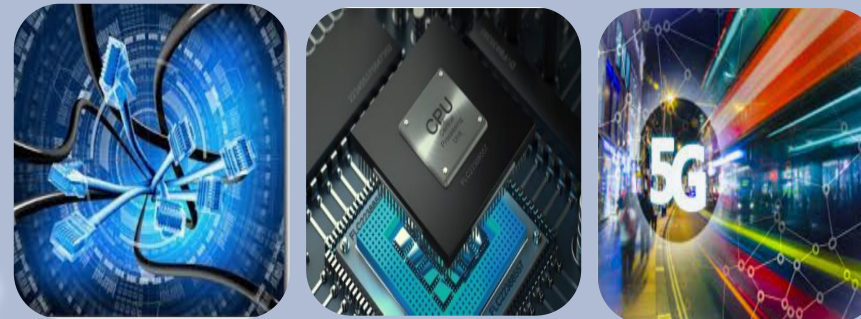
100/200/400G Data Communications



- Today's focus of the company to seed the market and deploy first product solutions
- Competitive position in terms of scale and cost
- Established market with strong growth and volumes

Near Term Opportunities

400G/800G, Co-packaged Optics, 5G



- 2nd generation 400G solutions based on value and performance
- Deploy proprietary high channel count integrated laser platform
- Deploy high density optical interconnect solutions for remote light sources

Succeeding Verticals



Health



Autonomous Vehicles

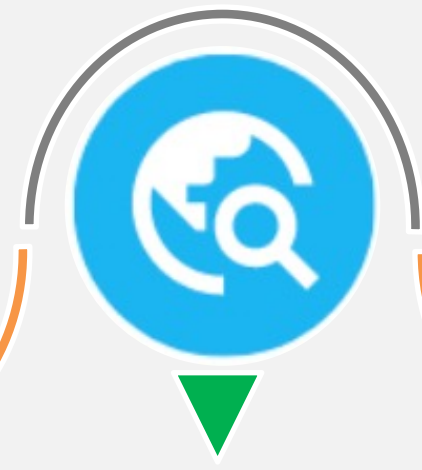
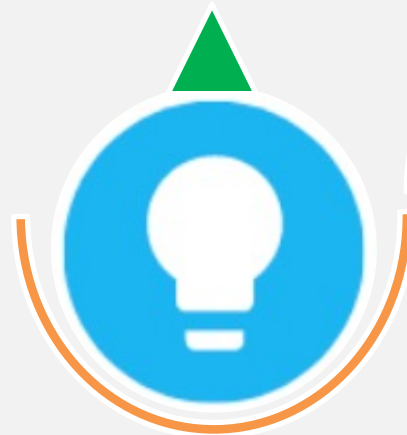


AI Computing

New Product Innovation Process

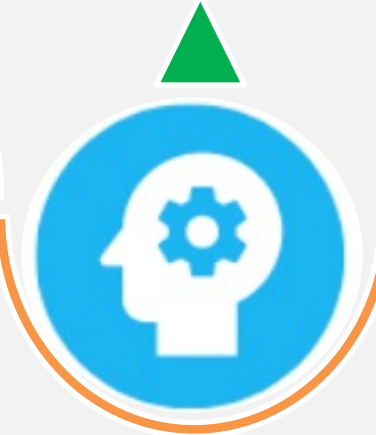
2017 - 2019

Idea Generation



Idea Screening

Concept
Development and
Testing

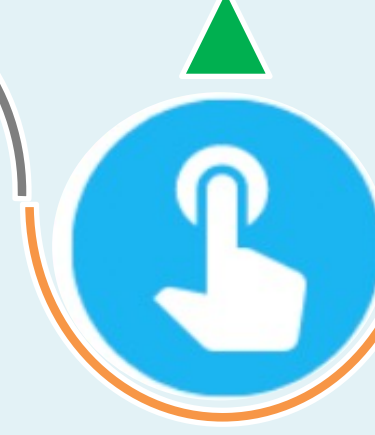


2020 - 2021

Product
Development

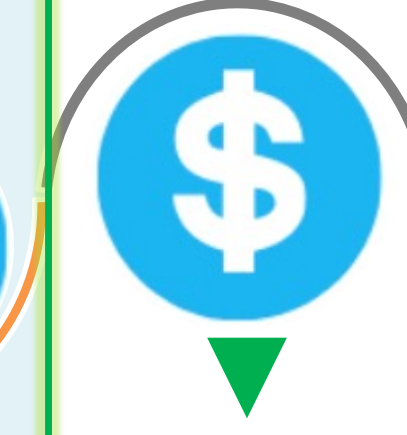


Market Strategy
Business Analysis

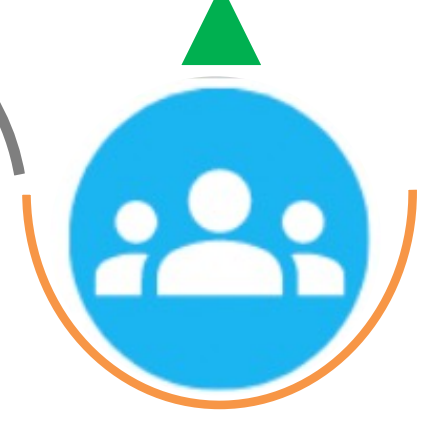


2021 - 2022

Market Entry /
Commercialization



New Product
Introduction



2021 Key Accomplishments



Quarter 1 2021

- Commence JV operations
- Pre-Alpha Product Prototypes for 100G/200GCWDM4 and LightBars for 400G DR and FR applications
- Incorporated POET Shenzhen and recruited leadership

Quarter 2 2021

- Live Product demonstrations at OFC 2021 to accelerate customer engagements and traction
- Strategic partnership for 400G Optical Engines using Si Photonics based modulators

Quarter 3 2021

- Six live demos at CIOE making a significant impact in China's optical eco-system
- Increased customer commitments and engagements
- Alpha customer samples of 100G/200G CWDM4

Quarter 4 2021

- Beta 100G/200G Products for customers and customer qualification
- Alpha customer samples of 400G FR4 Receivers

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New Product Innovation

New Product Introduction



Beta

Pre Alpha

Alpha

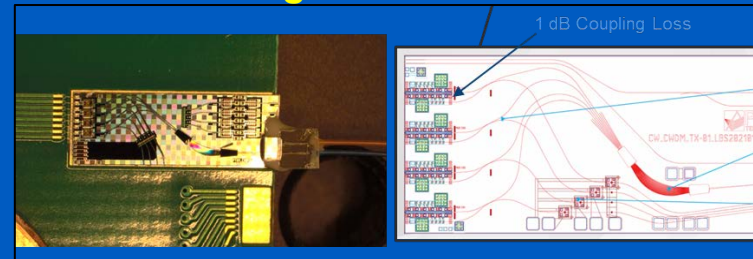
Production

Platform Development

- CMOS Compatible Waveguides
- External Cavity Gratings
- Vertical Mirrors
- Flip-chip Passive Integration of Lasers
- Micro Optics assembly and Hermetic Seal
- Si Photonics Modulator Integration

Optical Engine Design and Development

Product Design



Evaluation Board Design



New Product Introduction

- Customer Engagement and Design Wins
- Product Qualification
- Manufacturing Optimization



POET

SPX

Product Roadmap in Execution



POET launches in China to high acclaim



6

Product Demonstrations

60

C-Suite and Exec Staff

20

Leading Optics Companies

2

Committed Customers

>10

Sample Backlog

>2

Strategic Discussions

Design and Customer Wins Beginning to Roll In



TORONTO, Ontario, October 5, 2021

- **POET Technologies Announces Design Win and Purchase Order from Leading Systems Company**

TORONTO, Ontario and SHENZHEN, China, September 29, 2021

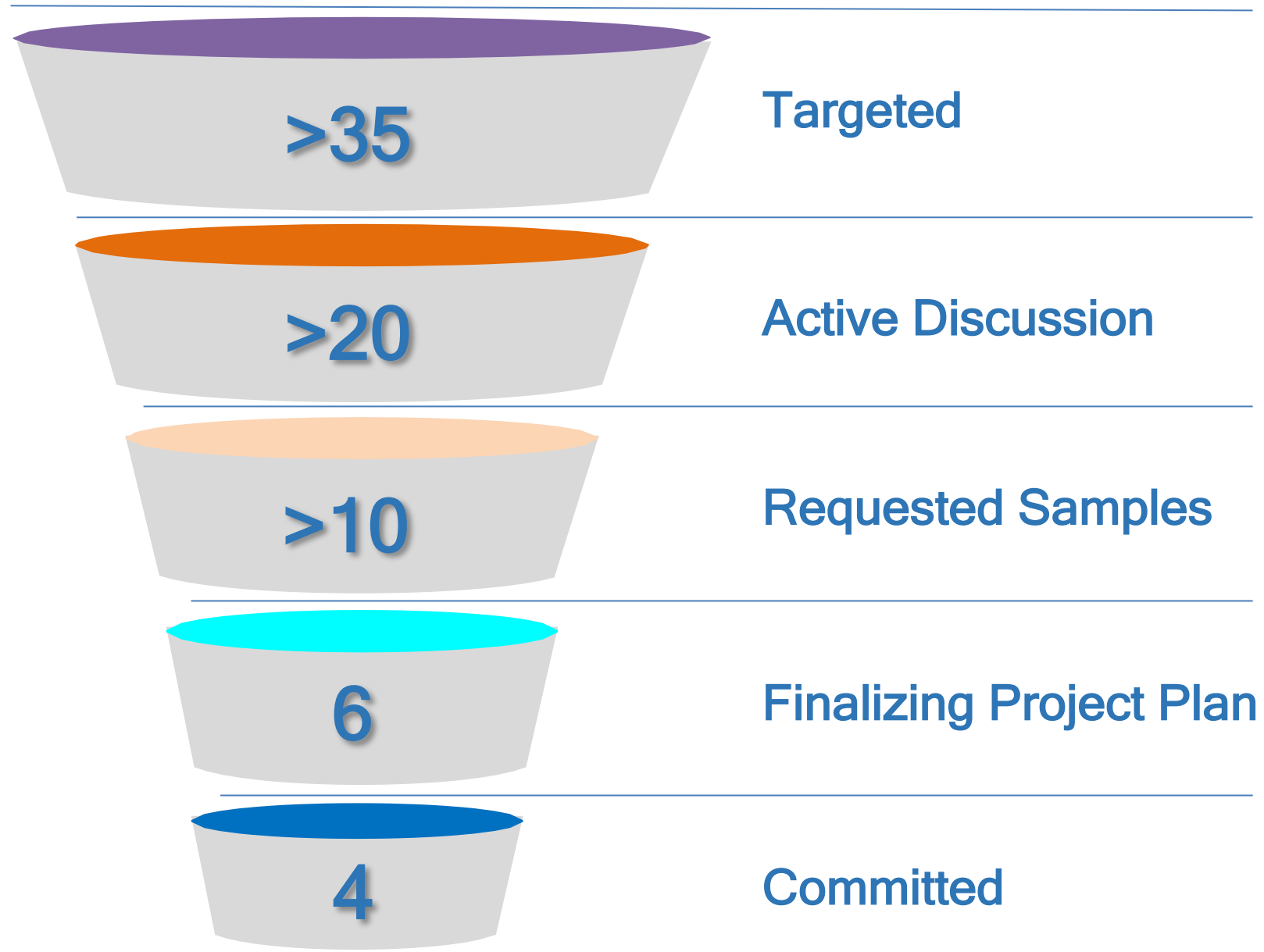
- **POET Technologies Launches Its Products and Optical Interposer Platform in China to Critical Acclaim**
 - *Live Product Demonstrations Yield Numerous Customer Engagements*

TORONTO, Ontario and SHENZHEN, China, September 9, 2021

- **POET Technologies Teams-up with SiLUX Technologies to Demonstrate its 400G Optical Engine during China International Optoelectronics Exhibition**

Strong Customer Engagement

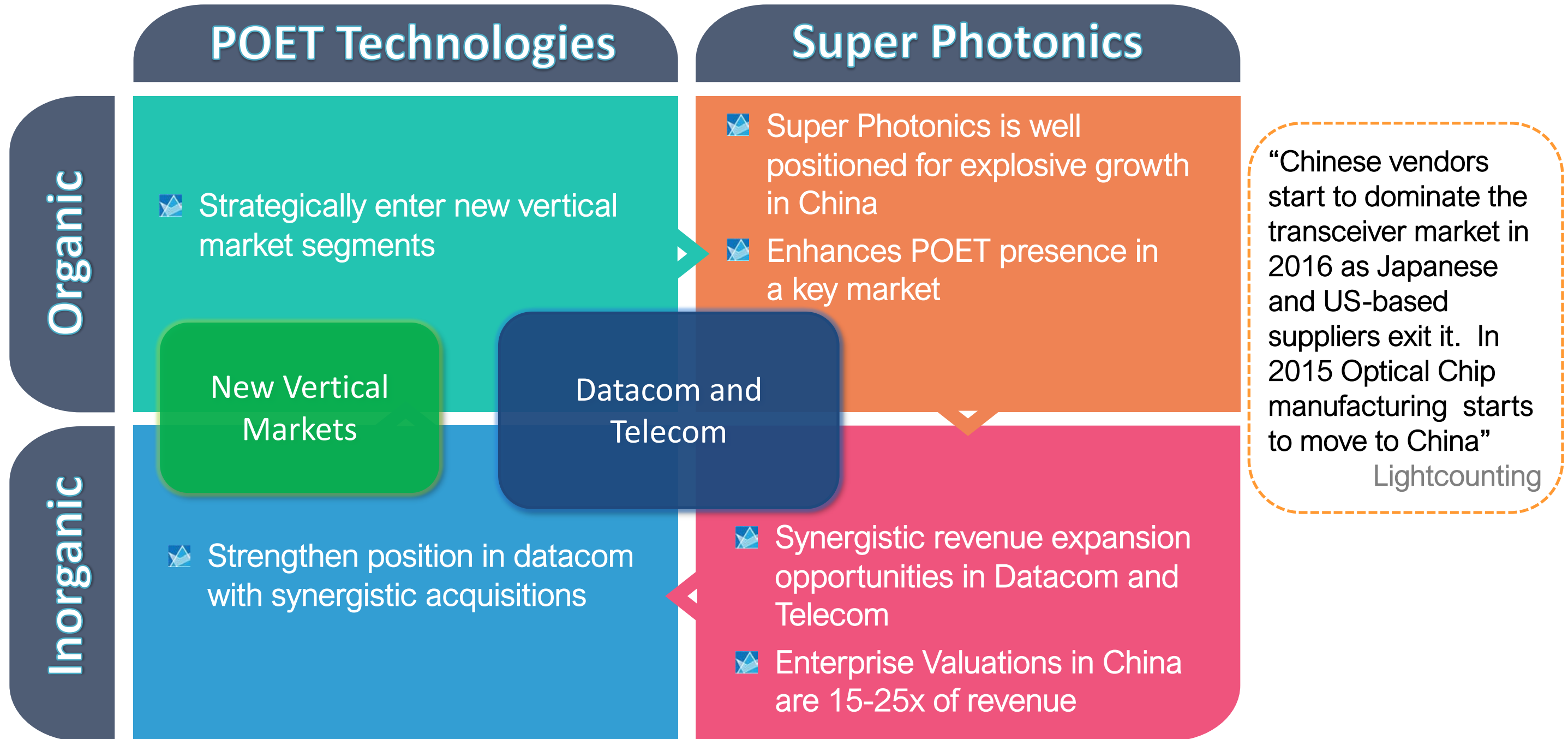
Customer Traction at Leading Module and System Companies



Illustrative Pipeline of Customers



Positioning for Strategic Growth



Global Development and Manufacturing



World Class Leadership Team



Executive Team



Dr. Suresh Venkatesan
CEO and Chairman

- SVP Technology at GlobalFoundries
- Various Senior roles at Motorola & Freescale Semiconductors



Vivek Rajgarhia
President & General Manager

- SVP and GM, MACOM
- CEO and Co-Founder, Optomai
- Lucent, OpNext, GigOptix



Thomas Mika
Executive Vice President & CFO

- Chairman, Rennova Health
- Chairman & CEO, Tegal Corporation
- Co-Founder IMTEC (M&A Boutique)

Engineering and Operations Team



Edward Cornejo
VP, Product Marketing

- Sr. Director, MACOM Technologies
- Google Fiber, Opnext, Lucent and Lytel



Dr. Jinyu Mo
SVP & GM, Asia

- Sr. Director and Chief Scientist, MACOM Technology Solutions
- Founder/CTO, Nexwave Photonics
- Huawei, Oclaro, I2R



Kevin Barnes
VP, Finance and Administration

- Controller, EC English
- Duguay and Ringler Corporate Services



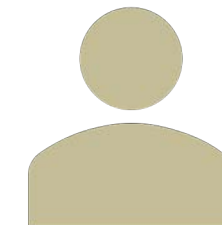
Dan Meerovich
VP, Product Engineering

- Director, Product Engineering at MACOM
- Broadcom, Multiplex



James Lee
VP and GM, Singapore

- VP Logic Technology, IMEC
- Various Senior roles at GlobalFoundries and Chartered Semiconductor

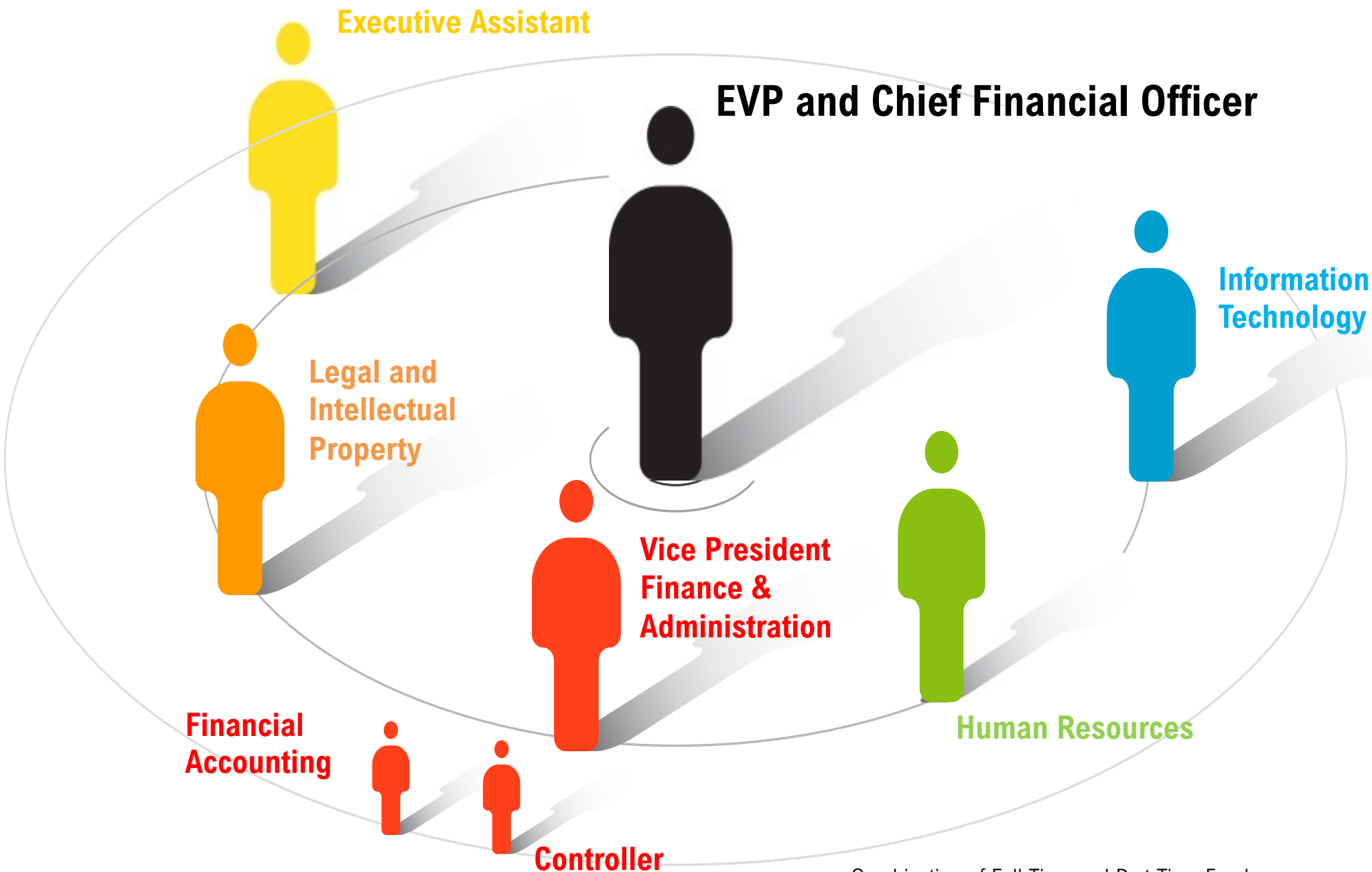


Product Line Management

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New Product Innovation



Combination of Full Time and Part Time Employees

Finance & Admin Functions

- Public Filings
- Corporate Governance
- Board of Directors
- Finance
- Internal Controls
- Treasury
- Information Technology
- Legal & Contracts
- Intellectual Property
- Human Resources
- Investor & Public Relations
- Administration

Emerging Priorities

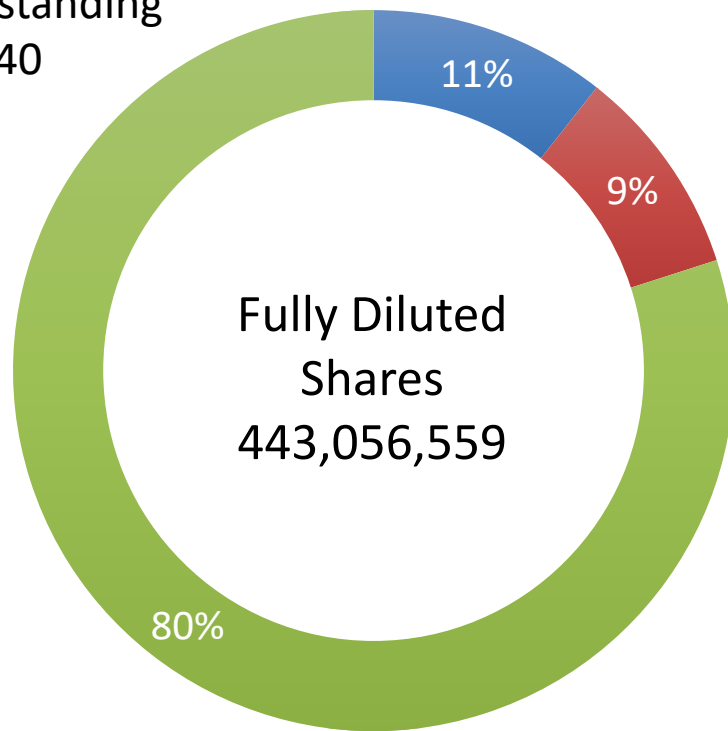
- Internal Controls
- Information Technology
- Intellectual Property
- Human Resources

POET Capital Structure and Warrant & Option Values



Capital Structure

Total Shares Outstanding
354,266,540

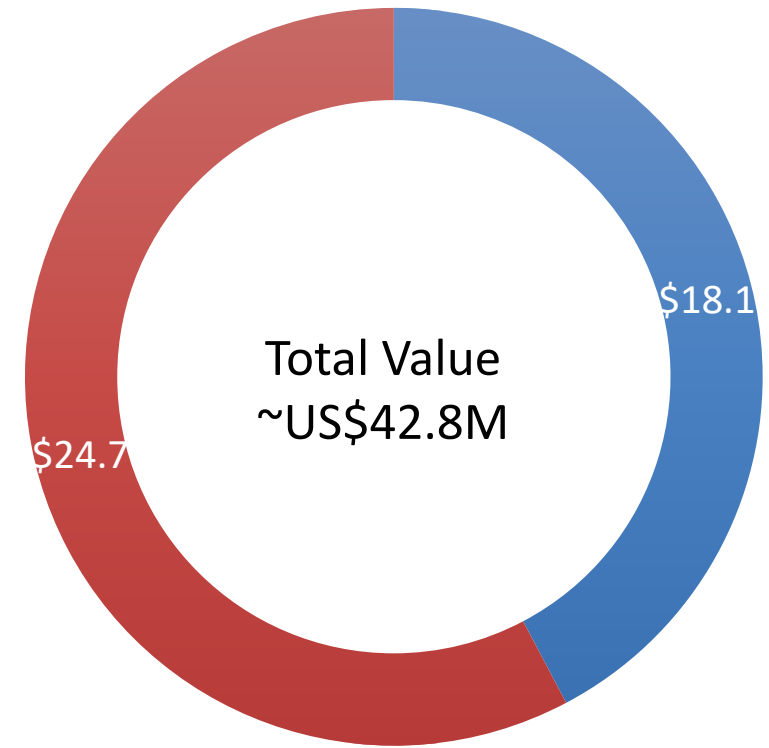


■ ITM Options ■ ITM Warrants ■ Common Shares Outstanding

Cash at 9/30/21
~US\$20M

Cash burn of
~\$1M/month

Value of Warrants & Options



■ ITM Options ■ ITM Warrants

ITM = IN THE MONEY

Five-year Warrants Expiring on Nov. 2, 2021: Strike Price C\$0.52 (US\$0.39) ~11M unexercised with value of ~US\$4.5M

Investor and Public Outreach



October 2021

					1	2
3	4	5	6	7	8	9
				AGM		
10	11	12	13	14	15	16
		LD Micro (LA)				
17	18	19	20	21	22	23
24	25	26	27	28	29	30

November 2021

31	1	2	3	4	5	6
				GCFE Conference		
7	8	9	10	11	12	13
14	15	16	17	18	19	20
				Sidoti Microcap		
21	22	23	24	25	26	27
28	29	30				

December 2021

			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Benchmark Technology

Needham Tech Week

Moneyshow Accredited

CEO Summit NYC

D.A. Davidson Semicap, Laser, Optical

Oppenheimer 5G

Agoracom.com

- "Beyond The Press Release"

Adrian Brijbassi for Content Creation

- Articles
- Whitepapers
- Social Media Blogs and Posts

Dr. Venkatesan joined Forbes Technology Council

- Articles of broad interest
- Exposure as CEO of POET

Video Production





- "Singular in its Genius – the POET Optical Interposer"

Not all conferences have been confirmed as of 10/7/21

NASDAQ LISTING

-  POET qualifies for the Nasdaq Capital Market under two standards:
 -  Equity and Market Value of Listed Securities
-  Application has been submitted and reviewed by Nasdaq analyst
-  Application for DTC eligibility has been submitted by Computershare
-  Symbol “POET” is reserved
-  Awaiting determination from POET on timing of listing and reverse split ratio

TSX / TSXV

-  Will either retain TSXV listing or “graduate” to the TSX
-  POET qualifies as a Non-Exempt Technology Issuer
-  Listing and annual fees are considerably higher than the Venture Exchange
-  Not yet decided by Board of Directors

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New Product Innovation

