



FY 2020 in Review



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- This presentation includes forward-looking statements within the meaning of the Private Securities Litigation Reform Act that reflect our current views with respect to, among other things, our operations, business strategy, interpretation of prior development activities, plans to develop and commercialize our products and services, potential market opportunity, financial performance and needs for additional financing. We have used words like "anticipate," "believe," "could," "estimate," "expect," "future," "intend," "may," "plan," "potential," "project," "will," and similar terms and phrases to identify forward-looking statements in this presentation.
- The forward-looking statements contained in this presentation are based on management's current expectations and are subject to substantial risks, uncertainty and changes in circumstances. Actual results may differ materially from those expressed by these expectations due to risks and uncertainties, including, among others, those related to our ability to obtain additional capital on favorable terms to us, or at all, the success, timing and cost of ongoing or future operations, the lengthy and unpredictable nature of the project development, and technology process and businesses in which we currently engage or may engage.
- These risks and uncertainties include, but may not be limited to, those described in our filings with the SEC. Forward-looking statements speak only as of the date of this presentation, and we undertake no obligation to review or update any forward-looking statement except as may be required by applicable law.



Agenda

- ✓ Discussion of fourth quarter and full-year 2020 results
- ✓ Discussion of business tone in each of the sectors we operate
- ✓ We operate in two distinct business segments: the instruments business and the computing business



Key Drivers for Our Team

- **Relentless**

- **Velocity**

- **Our People**

They will drive to market beating results and create a best-in-class enterprise. Our commitment to you.



FY 2020 Was the Best Since 2011

➤ **Revenue:** \$9,599k

➤ **EBITDA⁽¹⁾:** \$1,713k

➤ **Net Income⁽¹⁾:** \$1,946k

➤ **Setup for EcoChain breakout year in 2021**

➤ **Increasing new product introductions in Instruments**

Solid customer flow in PBS, Semiconductors, Electronic Components manufacturing and Signal Generators

(1) On an income from operations basis. Excludes 2013 gain on variable interest entity deconsolidation.





EcoChain Q4



- ✓ The fourth quarter of 2020 was **foundational for EcoChain**
- ✓ We **ramped up** our TNT mine
- ✓ We created a development pipeline that we expect will give us 50MW+ in 2021 at power **costs under ¢ 2.4 / Kwh**



New Nomenclature



TNT

2.6 MW in Washington State. Capacity to about 3.3 MW



Anaconda

25 MW previously announced facility under construction

Online late Q3 2021, early Q4 2021



How Will We Report Results to You?



We are focused on Return on Invested Capital



We intend to report to you at the mine level so you can track our CapEx and capital recovery



Reports on Anaconda will begin within a month or two of going live. Will likely be presented quarterly



How Did Our TNT Mine Do?

(\$ in 000s)

	Oct 20	Nov 20	Dec 20	Q4 20	FY 20
Revenue	60	99	210	369	595
Electricity Costs	27	25	30	82	195
Overhead Costs	35	8 ⁽¹⁾	32	67	210
Cost of Cryptocurrency Revenue	\$62	\$34	\$61	\$149	\$405
Contribution	(\$2)	\$65	\$149	\$220	\$190
Contribution %	-3.6%	65.8%	70.9%	59.7%	31.9%
General & Administrative	11	(8)	4	6	119
Other Income (Expense) ⁽²⁾	25	14	1	39	93
EBITDA Contribution	\$12	\$87	\$146	\$253	\$164
EBITDA Contribution %	20.0%	88.1%	69.2%	68.5%	27.6%

(1) Certain one-time adjustments reduced the cost of overhead in November 2020. More representative ongoing costs are those of October 2020 and December 2020.

(2) Proceeds from the sale of excess equipment.



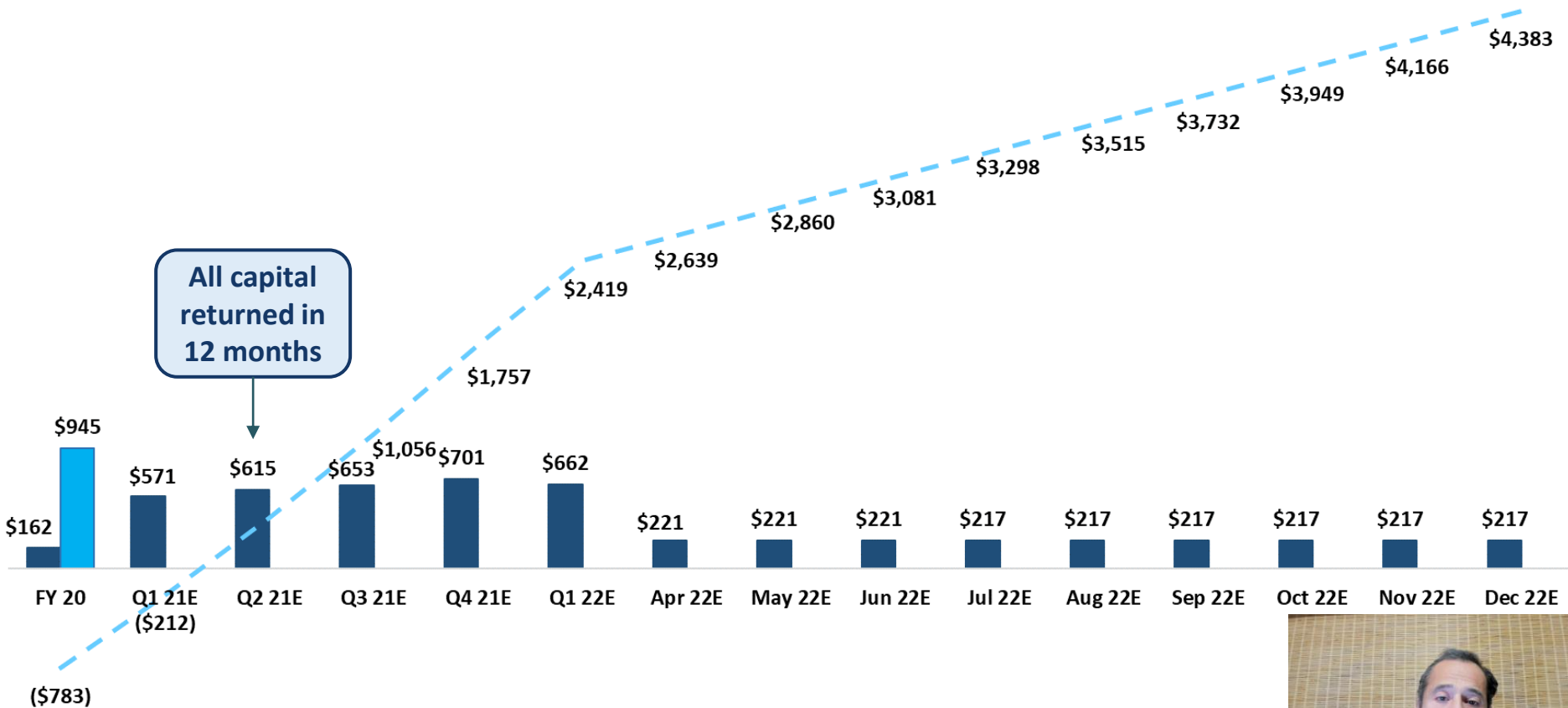
TNT: Strong Return on Capital Inv.



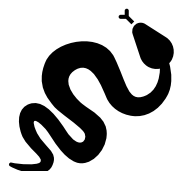
Strong returns generated through careful acquisition and management

(\$ in 000s)

■ EBITDA Contribution ■ CapEx - - Cumulative CF



Where Are We Now?



Anaconda

25 MW

Late Q3/Q4 2021

Expected results from pipeline

25 MW



TNT

2.6 MW

- ✓ *We will continue to work toward the goal of having 50MW operating by end of 2021.*
- ✓ *We have a robust development pipeline.*
- ✓ *We do not announce LOIs that may be in our pipeline.*







Operational Review



Moshe Binyamin
MTI Instruments, President



FY 2020 in Review

\$9.0mm

Revenue

37%

**YOY
Growth**

\$2.6mm

**Segment
EBITDA**



A Deeper Dive Into Revenue

Revenue Breakdown by Product Line & Geo

	FY 20	%		FY 20	%
Instruments	2,453	27%	N. America	6,753	75%
PBS	6,551	73%	EMEA & Asia	2,251	25%
Total	9,004	100%	Total	9,004	100%

Deal Flow

	Count				
	Q1 20	Q2 20	Q3 20	Q4 20	FY 20
Leads	509	293	342	312	1,456
Quotes	267	279	236	248	1,030
Orders	151	196	139	154	640

	Amount (\$)				
	Q1 20	Q2 20	Q3 20	Q4 20	FY 20
Quotes	3,194	7,746	3,896	3,539	18,375
Orders	1,475	5,007	1,069	1,453	9,004

Dollar amounts are in thousands



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Focus on
Market
Engagement

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Focus on
Market
Engagement

COVID

Early
Recovery

Dollar amounts are in thousands



Very Significant Addressable Market

New Product Market Drivers

Precision Manufacturing

Industry 4.0

Data

**Connectivity
&
Technology**

**Customer
Expectations**



ROI Driven:

- ✓ Improved Productivity
- ✓ Reduced Risk
- ✓ Employee Demand



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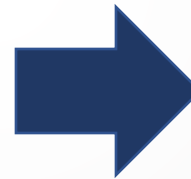
Customer
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mti instruments

mti instruments

ROI Driven:

- ✓ Improved Productivity
- ✓ Reduced Risk
- ✓ Employee Demand



Key Market Drivers



PBS

- Freight
- Military
- Test Cell
- Commercial



Instruments

- Semiconductor
- 5G Deployment
- Material Manufacturing



New Products in Q3 and Q4 2021

Very significant addressable market will ramp into 2022

Sensors

Pico-Meter Sensors

Semi-Conductor and
Precision manufacturing



Manufacturing Wireless Probe System Industrial Systems



Aviation

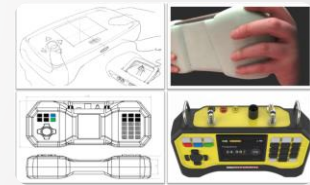
PBS Gen4

Aviation and Power
Generation. Markets



1520 Sensor Simulator

Aviation, Power Generation
and Factory Floors



MTII Operational Plan for 2021

- Semiconductor
- EV Battery Manufacturing
- Industrial Material Manufacturing

New Vertical Solutions



- Latest technology
- Superior Usability
- Upgradable systems

Product Innovation



- Designed for production lines
- Integration software included
- Industry 4.0 friendly

Focus on OEM Capabilities

4

Accelerated Growth!





Jessica Thomas
Chief Financial Officer



Financial Highlights

\$9.6 million in Revenue

37% Product Revenue Growth

589 Basis point improvement in product margin

\$1.9 million Net Income for 2020

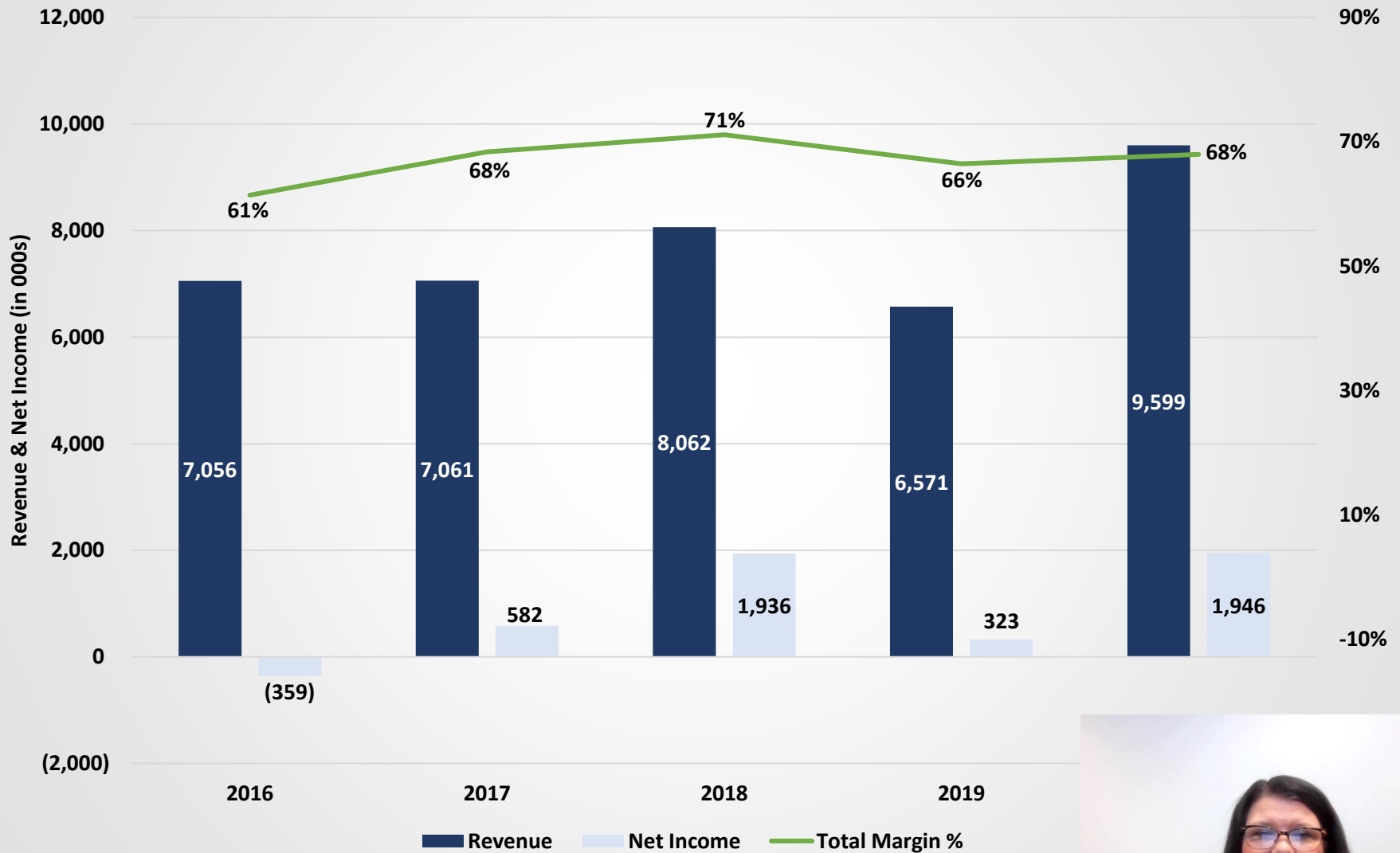
\$1.6 million Net Cash provided by operating activities

MTI Investments in EcoChain

\$750 thousand Strategic Investment in Soluna



Income Statement Overview



Strong Financial House

NOL (\$49M)

- Ability to offset taxes due to future earnings

Cash (2.6M)

- Cash provided by operations of \$1.6M
- Key investments: EcoChain & Soluna

Debt Facility

- Did not use in 2020

Inventory Turnover

- Improved by 56% (3.0 vs. 2.3)

Current Ratio

- Currently at 2.9

Positioned for Growth!



Appendix

Appendix A: Revenue By Product Line

Product Line Item	Category	Revenue
Capacitance	Instruments	1,295,366
Fotonic	Instruments	132,529
Ins Repairs	Instruments	420,190
Laser	Instruments	266,451
PBS New	PBS	4,346,276
PBS Repair	PBS	2,204,874
Semi Solar	Instruments	337,997
Total Revenue		9,003,683

Appendix B: Non-GAAP Reconciliation

(Dollars in thousands)

						Years Ended December 31,	
	<i>EcoChain</i>			<i>MTII</i>	<i>Corporate</i>	2020	2019
	<i>TNT</i>	<i>EcoChain (Other)</i>	<i>Total EcoChain</i>				
Product revenue	0	0	0	9,004	0	9,004	6,571
Cryptocurrency revenue	595	0	595	0	0	595	0
Total revenue	\$595	\$0	\$595	\$9,004	\$0	\$9,599	\$6,571
Operating costs and expenses:							
Cost of product revenue	0	0	0	2,669	0	2,669	2,205
Cost of cryptocurrency revenue	405	0	405	0	0	405	0
Research and product development expenses	0	0	0	1,491	0	1,491	1,381
Selling, general and administrative expenses	199	290	489	2,351	744	3,584	2,726
Operating income	(\$9)	(\$290)	(\$299)	\$2,493	(\$744)	\$1,450	\$259
Other income, net	91		91	6	8	104	36
Income before income taxes	\$82	(\$290)	(\$208)	\$2,499	(\$737)	\$1,554	\$295
Income tax benefit	0	0	0	0	392	392	28
Net income	\$82	(\$290)	(\$208)	\$2,499	(\$345)	\$1,946	\$323
Adjustments to EBITDA							
Depreciation	80	0	80	79	0	159	
EBITDA	162	(290)	(128)	2,578	(737)	1,713	

