



Baylin is a diversified leading global wireless technology management company. Baylin focuses on research, design, development, manufacturing and sales of passive and active RF Satellite products and services.



### FORWARD-LOOKING STATEMENTS



#### CLEAR SIGNALS. SOUND INVESTMENTS.

This presentation includes "forward-looking information" and "forward-looking statements" within the meaning of applicable securities laws. Forward-looking information is not a statement of historical fact. Rather, it is disclosure regarding events, conditions, developments or financial performance that we expect or anticipate may or will occur in the future including, among other things, information or statements concerning our objectives and strategies to achieve those objectives, statements with respect to management's beliefs, plans, estimates and intentions and statements concerning anticipated future events, circumstances, expectations, results, operations or performance. Forward-looking statements can be identified generally by the use of forward-looking terminology, such as "anticipate", "believe", "could", "should", "would", "estimate", "expect", "forecast", "indicate", "intend", "likely", "may", "plan", "potential", "project", "outlook", "seek", "target", "trend" or "will" or the negative or other variations of these words or other comparable words or phrases and is intended to identify forward-looking information or statements, although not all forward-looking information or statements contain these words.

Forward-looking information and statements are based on certain assumptions and estimates made by us in light of the experience and perception of historical trends, current conditions, expected future developments, including projected growth in the antenna and related industries, and other factors we believe are appropriate and reasonable in the circumstances, but there an be no assurance that such assumptions and estimates will prove to be correct. We caution investors against placing undue reliance on this information since actual results may vary materially from the forward-looking information. The assumptions we have made in preparing the forward-looking information and our objectives include: our ability to generate sufficient revenue while controlling our costs and expenses; our ability to manage our growth effectively; the absence of material adverse changes in our industry or the global economy generally; trends in our industry and markets; our ability to manage risks related to expansion; our ability to maintain good business relationships; our ability to develop products and technologies that keep pace with the continuing changes in technology, evolving industry standards, new product introductions by competitors and changing client preferences and requirements; our ability to protect our intellectual property rights; the absence of intellectual property infringement or invalidity claims against us; our ability to manage and integrate acquisitions; our ability to retain key personnel; our ability to raise sufficient capital to support our business growth; our ability to comply with financial covenants in our credit facilities; and our ability to manage risks from operating in foreign countries

The forward-looking information and statements in this presentation are made as of the date of this presentation and, except as required by applicable law, we do not undertake any obligation to update or revise any such forward-looking information or statements, whether as a result of new information, future events or otherwise.

This cautionary statement qualifies all the forward-looking information and statements in this presentation.

There are a number of non-IFRS measures used in this presentation, including EBITDA (earnings before interest, taxes, depreciation and amortization) and Adjusted EBITDA. For the purpose of this presentation, EBITDA is calculated as operating income plus depreciation and amortization. Adjusted EBITDA is calculated as EBITDA plus: (i) acquisition expenses (including legal, fair value step up of inventory acquired, planned restructuring and litigation relating to acquisition agreements); (ii) expenses to permanently close/relocate a facility or shut down a line of business; and, (iii) expenses relating to corporate re-organizations. We believe that these non-IFRS measures are appropriate measures of our operating performance or of potential acquisitions. Our calculation of these measures may differ from the methodology used by other issuers and, accordingly, may not be comparable to such other issuers. We believe that these measures are appropriate measures of our operating performance because they facilitate an understanding of operating performance without giving effect to certain non-cash and non-recurring expenses. None of these measures is equivalent to net income or cash flow from operating activities determined in accordance with IFRS.

The market and industry data and technical and other information in this presentation is based on information from independent industry publications, market research, analysts reports and surveys, product information and other publicly available sources. Although we believe these sources to be generally reliable, we have not independently verified any of the data or information from them and, accordingly, we do not guarantee or represent the accuracy or completeness of that data or information and assume no liability for its use.

All figures are presented in Canadian dollars unless otherwise indicated.

## **AGENDA**



- 1) 2019 Key Accomplishments and Strategic Developments
- 2) 2019 Financial Performance
- 3) Financial Results, Q2 2020
- 4) 5G Massive MIMO
- 5) 2020 Outlook



**2019 KEY** ACCOMPLISHMENTS & STRATEGIC **DEVELOPMENTS** 



### **KEY FINANCIAL DEVELOPMENTS**

- Revenue increased by 13% over 2018
- Gross profit increased by 8% over 2018
- Adjusted EBITDA of \$12.5 million compared to \$15.3 million in 2018
- Closed \$48 million senior debt financing with Royal Bank of Canada and HSBC Bank of Canada; a portion of which was used to prepay a \$33M term loan from Crown Capital Partner Funding

### **KEY OPERATIONAL DEVELOPMENTS**

- Announced new facility to produce 3.5GHz 5G massive MIMO antenna products for a tier one network equipment supplier
- Grand opening of Advantech Centre of Excellence, a new design and manufacturing facility in Kirkland, Quebec; consolidating the best of both operations of Advantech Wireless and Alga Microwave

# 2019 KEY ACCOMPLISHMENTS AND STRATEGIC DEVELOPMENTS



CLEAR SIGNALS. SOUND INVESTMENTS.

### **KEY COMMERCIAL DEVELOPMENTS**

### **Galtronics**

- 18 port quasi-omni small/C-RAN canister antenna pre-approved with a tier one NA carrier
- 12 port base station antenna, covering 700 MHz and PCS/AWS MHz bands (for 4G) and 600 MHz (for 5G)
- New single-sector MIMO stadium antenna for a Canadian carrier supporting 5G upgrade
- New series of small diameter (whip) multiband MIMO antennas for next generation
  4G and 5G systems, designed for discreet urban landscapes
- Next generation omnidirectional antennas for legacy 2G/3G/4G and 5G in-building (iDAS), addressing 600MHz, 3.5GHz and 5GHz bands

# 2019 KEY ACCOMPLISHMENTS AND STRATEGIC DEVELOPMENTS



CLEAR SIGNALS. SOUND INVESTMENTS.

### **KEY COMMERCIAL DEVELOPMENTS**

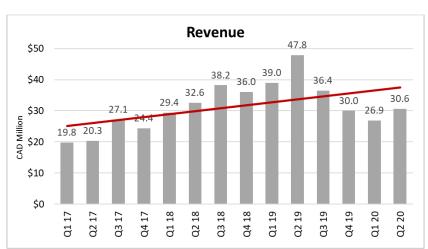
## **Advantech / Alga**

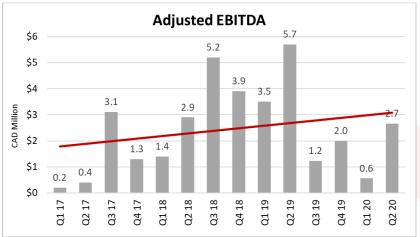
- New line of GaN based 500W solid state power amplifiers (SSPAs) and block-up converters (BUCs) for ultra high definition broadcasting applications
- Summit Series SSPAs delivered to a tier one NA carrier for 5G backhauling services
- Released a new line of S-Band GaN 10,000W modular high power SSPAs ideally suited for mobile, tactical RADAR applications
- Subsequent to y/e, awarded a multi-year agreement to supply a major satcom systems integrator with our next generation GaN Summit II high power SSPA systems which boasts a CANbus monitor and control platform

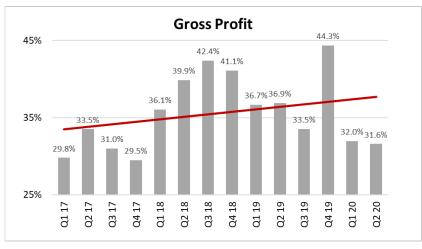
## IMPROVING RESULTS

#### ALL FIGURES IN CAD











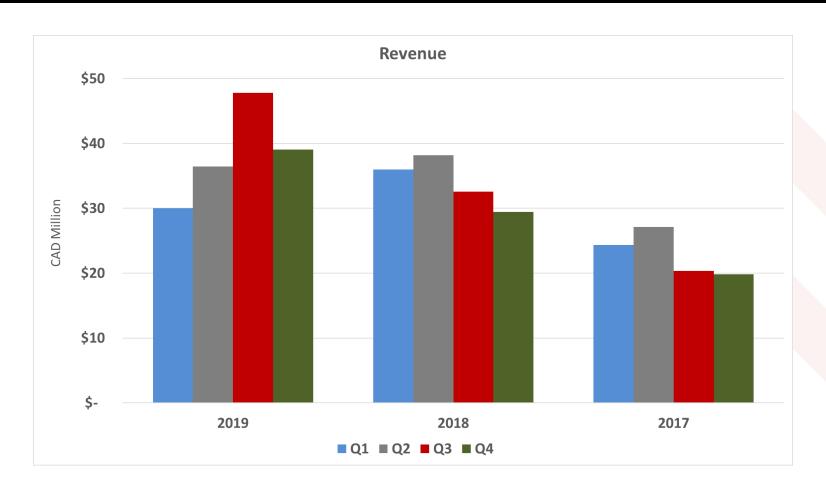
## SUMMARY INCOME STATEMENT



				2019 vs 2018	2018 vs 201
(CAD in 000's)	<b>2019</b> <sup>1</sup>	2018 <sup>1</sup>	<b>2017</b> <sup>1</sup>	incr/(decr)	incr/(decr)
Revenue	\$ 153.3	\$ 136.2	\$ 91.6	12.6%	48.6%
Gross Profit	\$ 54.9	\$ 50.8	\$ 28.3	8.1%	79.4%
as % of Revenue	35.8%	37.3%	30.9%		
Operating Costs	\$ 57.4	\$ 52.7	\$ 30.1	8.7%	75.1%
Operating income (loss)	\$ (2.4)	\$ (1.9)	\$ (1.8)	27.0%	6.9%
Net income (loss)	\$ (6.2)	\$ (1.1)	\$ (4.2)	450.7%	(73.2%)
Income (loss) per share	\$ (0.15)	\$ (0.03)	\$ (0.18)	384.6%	(82.7%)
Adjusted EBITDA	\$ 12.5	\$ 15.3	\$ 5.0	(18.4%)	208.6%
as % of Revenue	8.1%	11.2%	5.4%		
Note 1: excludes one-time items					

## QUARTERLY REVENUE GROWTH









## Q2 SUMMARY INCOME STATEMENT



CLEAR SIGNALS. SOUND INVESTMENTS.

		2020 vs 2019		
(CAD in 000's)	 Q2 2020 <sup>1</sup>	Q2 2019 <sup>1</sup>	incr/(decr)	
Revenue	\$ 30.6	\$ 47.8	(36.0%)	
Gross Profit	\$ 9.7	\$ 17.6	(45.1%)	
as % of Revenue	31.6%	36.9%		
Operating Costs	\$ 10.9	\$ 16.1	(32.6%)	
Operating income (loss)	\$ (1.2)	\$ 1.5	(178.3%)	
Net income (loss)	\$ (4.7)	\$ 1.7	(384.6%)	
Income (loss) per share	\$ (0.12)	\$ 0.04	(400.0%)	
Adjusted EBITDA	\$ 2.7	\$ 5.7	(53.4%)	
as % of Revenue	8.7%	11.9%		
Note 1: excludes one-time items				

Multiple factors conspired to cause a year-over-year reduction in many of our key financial metrics, much of which has now subsided. Aggressive restructuring has reduced opex by 33% and EBITDA is at its highest level in four quarters.



CLEAR SIGNALS. SOUND INVESTMENTS. **2019 DEVELOPMENTS: 5G MASSIVE MIMO ANTENNA** 

## **5G Massive MIMO**

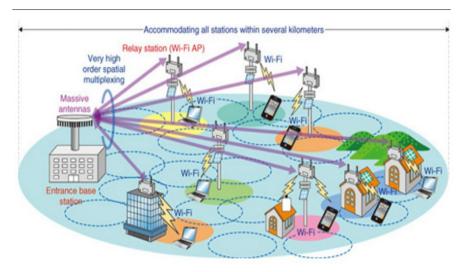


CLEAR SIGNALS. S O U N D INVESTMENTS.

#### **Overview**

- Galtronics was selected as one of a few vendors to build a factory capable of building MMU (Massive MIMO unit) for a tier one network equipment provider
- Construction commenced in Q3, 2019 and is now complete with only final calibration of key equipment required to start production, which is expected in Q4, 2020
- Additional 5G products will be produced in this facility, at a later date

#### Architecture of Massive MIMO 2



### **Key Metrics**

C\$9.0M

Baylin Investment

## **Positive ROI**

Within 2 Years of Prod'n

## **US\$1.3B in 2018 to** US\$21.0B by 20261

Representing 41.6% CAGR

Massive multiple-input multiple-output (MIMO) utilizes many antennas at the transceiver to improve diversity gain. It also takes advantage of uncorrelated propagation paths for higher efficiency and high throughput and/or to allow simultaneous access for different users. MIMO and beamforming techniques drive improvements in spectral efficiency (the rate of data transfer per given slice of spectrum).



CLEAR SIGNALS. SOUND INVESTMENTS. 2020 OUTLOOK



- Synergies | The acquisitions of Advantech Wireless and Alga Microwave have yielded their first cross selling benefit with a purchase order for our newly launched Summit Series of SSPA's to a tier one North American carrier for 5G backhaul services. Achieving additional cost synergies at our newly renovated manufacturing and design centre will continue to be a key focus in 2020.
- LEO Evolution | Multiple players (Amazon, SpaceX, OneWeb, Telesat) plan to launch thousands of low-earth orbit sats (LEOs). This will require hundreds of additional ground stations to provide global network connectivity. Seamless integration between satcom and 4G LTE/5G will be demanded by end users.
- Accelerated product development | in DAS, small cell, base station antenna (BSA), satcom and other 5G applications. Multiple products to serve 5G launched to date and development of advanced BSA's for next generation macro deployment of 5G underway.



- 3GPP | The next 5G NR (new radio) Release 16 will focus on expansion to new service areas/devices/business models/spectrum – URLLC (ultra reliability low latency communications), DSS (dynamic spectrum sharing), vehicle communications (connected and autonomous cars) and LPWA (low power wide area for IoT).
- **FirstNet** | A tier one North American carrier is 80% complete in this network build. FirstNet is changing the value proposition for quality and speed of video delivery, especially in rural areas, and has helped accelerate this carrier's 5G buildout.
- Carrier Capex | Capex had stalled with some of our key customers beginning in late 2019 and into early 2020. Despite COVID-19, carrier capex plans are resuming as the competitive environment amongst the largest players intensifies.

### **GROWTH STRATEGY**



### CLEAR SIGNALS. SOUND INVESTMENTS.

### **Organic**



Focus on innovation in each of Baylin's four key segments. Accelerate development of integrated solutions between mobile and satcom



Expansion into more sophisticated product lines



Continue to complement global direct sales force with the appointment of third-party sales representatives



Leverage prime supplier status with large customers



Leverage product development and channels with strategic partnerships

### **Inorganic**

### Actively seeking acquisitions which provide:



Technological capabilities



New geographical markets



**New OEM customers** 



New verticals



