

September 2019

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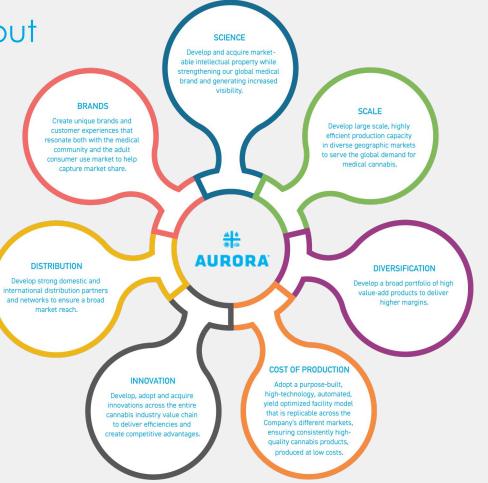
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Capturing Margin Throughout the Cannabis Value Chain

Aurora is a **leader** in the domestic consumer market as well as the domestic and international medical cannabis markets. To achieve largescale growth and long-term, sustainable **profitability**, Aurora has identified a number of elements critical to driving the success of its strategy. This **dynamic growth strategy** will enable Aurora to capture greater margin across the entire cannabis industry value chain.



### Aurora: leader in the global cannabis industry

Sector leader in **technology** across **operations** and **product development** 

15 global production facilities with 2 EU GMP certified (1)

Active in 5 continents and 25 countries

17 strategic acquisitions and partnerships across the value chain since August 2016

Medical cannabis industry leader in **Europe** and **Latin America** 

**40 Clinical Studies** underway or completed <sup>(2)</sup> and over **84,000 medical patients** served

<sup>1.</sup> Includes 2 production facilities in Canada and 1 European distribution center

Studies include randomized clinical trials and observational studies in addition to several case studies

### Extensive Distribution Channels in Canada and Internationally



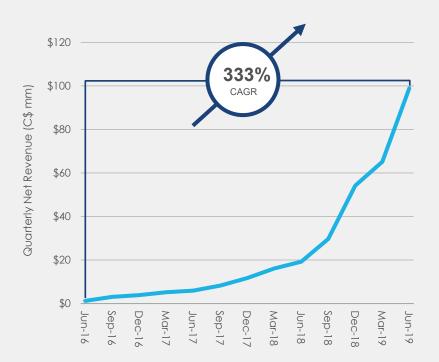
Active in 25 countries across 5 continents

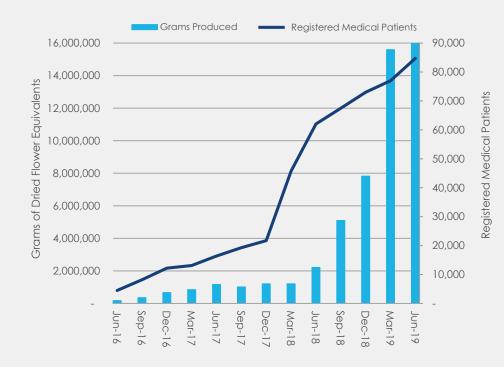
### **Cultivation Matters**

Mass Scale, High-Quality and Low-Cost Production is Crucial for Success



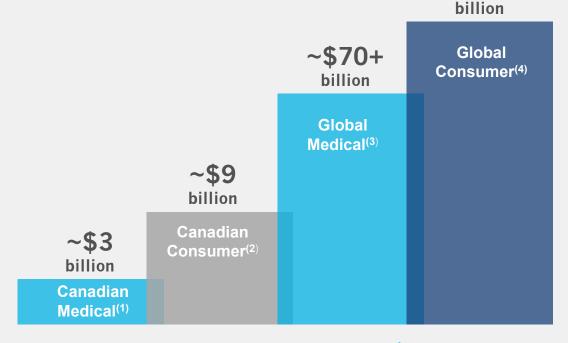
### Strong Revenue, Patient and Production Growth





# Significant Opportunity Across Medical, Consumer and Wellness Markets

Expected global disruption in the beverage, pharmaceutical, CPG and tobacco industries



Total global cannabis opportunity is ~\$200 billion

Estimate consists of medical markets for the U.S., EU and LATAM markets only and assumes EU and LATAM TAM based on wholesale pricing while US TAM assumes retail pricing.



~\$115+

<sup>1.</sup> Estimated for Canadian Medical TAM assumes LPs obtain retail prices for cannabis.

<sup>2.</sup> Estimate for total potential market opportunity for Canadian Adult-Use.

### Significant Canadian Opportunities

Across Medical, Consumer, and Wellness Markets

	Medical			Consu	mer		
Product Mix	dry flower	oils	soft gels	gel caps	vape pens	edibles	infused beverages
Margin (Outlook)	Improving as derivatives				<b>d Margin</b> throu e Products	ugh Premiun	n and
Keys to Success	Patient capt Drive down Product inno Branding three	costs	cal trials	Compreh	evelop high-ma ensive <b>house</b> medical <b>reput</b>	of brands	

### Successful Canadian Consumer Market Launch

17 awards



from the Canadian Cannabis Awards

Top 4 of 5
Best-Selling Products in B.C<sup>(1)</sup>









Comprehensive portfolio of medical and consumer brands:



















### Significant Global Opportunities

Across Medical, Consumer, and Wellness Markets

	Medical		Consume	r		
Product Mix	dry flower	oils	infused beverages	nutraceuticals	wellness products	recovery beverages
Margin (Outlook)	Clinical Trials and New Uses <b>Drive Higher M</b> a		<b>Innovative Pro</b> Margins	duct Formats	and Brand	s to Extend
Keys to Success	Leveraging early-mov Higher-margin, pharm product innovation	a-grade	Controlling dis First-mover int market share	o new countrie		Ü
	Strong medical brand awareness	and <b>market</b>	Addressing the <b>non-prescription wellness market</b>			

### Poised to Capture the Global Hemp-CBD Opportunity

The global Hemp-CBD market is estimated to reach ~US\$22bn + by 2022<sup>(1)</sup>

### **Growing Use Cases for CBD Products**

Hemp-CBD is increasingly being used in a variety of products for a number of health & wellness purposes including: nutrition, inflammation reduction, boosting metabolism, lowering anxiety and improving overall mood



a leading processor & marketer of hemp based products and brands



Europe's largest producer, processor and supplier of organic hemp and hemp products



a European hemp processor and distributor



a global trailblazer in high-tech CBD extraction at a commercial scale



a South American pioneer in cannabis and hemp-based products

### Strategically Investing Across the Value Chain

Aurora is exceptionally **well-positioned**, through its diverse acquisitions and strategic initiatives completed to date, to capitalize on the **enormous opportunity** across the entire cannabis industry value chain in both domestic and international markets.

#### **Acquisitions**



#### **Strategic Investments**



### Establishing EU Market Leadership

European Union Population: ~465 million | Market Opportunity: ~C\$98 billion

**GERMANY** - The acquisition of Pedanios, now **Aurora Deutschland**, provides **distinct first-mover advantage** in the single largest federally legalized medical cannabis market with a population of **82+ million in Germany** 

EU GMP certified facilities necessary for success in the EU markets

Aurora currently holds a **leading market share** in the German medical market

70+ employees across Germany and the EU

Germany has **broad insurance coverage** for medical cannabis, allowing for **substantially higher margins** and is expected to reduce margin compression over time

Selected by the German Federal Institute for Drugs and Medical Devices as one of three winners in the public tender to cultivate and distribute medical cannabis in Germany

**DENMARK** - First LP to ship medical cannabis to Denmark. Aurora also has Aurora Nordic, a 51% owned, 1,000,000 sq ft facility being built<sup>(1)</sup> in Odensk, along with a 100,000 sq ft retrofit facility

**MALTA** - First LP to receive cultivation LOI issued by the Maltese authorities to date and first LP to ship medical cannabis to Malta

**UNITED KINGDOM -** Authorities recently granted Aurora approval for its first shipment of medical cannabis into the UK from Canada

**ITALY -** Supplying cannabis to the Italian government through Aurora Europe. First LP to complete private export from Canada in April 2018

**CZECH REPUBLIC** - Supplying cannabis to Czech Medical Herbs s.r.o. ("CMH"), a Czech pharmaceutical wholesaler, for distribution to pharmacies throughout the country

**LUXEMBOURG** - Selected by the Luxembourg Health Ministry as the exclusive supplier in a public bid to supply a second delivery of medical cannabis

**POLAND -** First LP to receive cannabis import permit from the Polish Ministry of Health

**PORTUGAL** – Joint venture partnership with Gaia Pharm Lda. to develop facility and produce medical cannabis and derivative products

### Q4 2019 Results

\$ in Canadian millions, unless otherwise noted	Q4 2019	Q3 2019	Change (%)	Q4 2018	Change (%)
Financial					
Net Revenue	\$98.9	\$65.1	52%	\$19.1	418%
Gross Margin on Net Cannabis Revenue(1)	58%	55%	3%	74%	(16%)
Biological Inventory	\$144.3	\$118.0	22%	\$41.0	252%
Cash Cost to Produce (per gram of dried cannabis sold) (2)	\$1.14	1.42	(20%)	\$1.70	(33%)
Operational					
Average Net Selling Price of Dried Cannabis	\$5.58	\$5.86	(5%)	\$8.02	(30%)
Average Net Selling Price of Cannabis Extracts	\$10.37	\$11.01	(6%)	\$13.52	(23%)
Kilograms Produced	29,034	15,590	86%	2,212	1,213%
Kilograms Sold	17,793	9,160	94%	1,617	1,000%

<sup>2.</sup> Represents the cash cost of sales per gram of dried cannabis produced and sold by consolidated Aurora, excluding costs to sell such as packaging costs. Cash cost of sales per gram produced is a non-IFRS financial measure. See "Cash Cost of Sales of Dried Cannabis and Cash Cost to Produce Dried Cannabis Sold – Aurora Produced Cannabis" section of Q2 2019 MD&A for reconciliation to IFRS figure.



<sup>1.</sup> Represents the gross margin on net cannabis revenue before fair value adjustments. Excludes revenues from patient counselling services, design, engineering, and construction services, and analytical testing services. Gross margin on net cannabis revenue is a non-IFRS financial measure. See "Gross Margin" section of Q2 2019 MD&A for reconciliation to IFRS figure.

## Aurora's Path to Profitability



#### **NEAR TERM**

- Drive down costs by leveraging massive scale
- Protecting against eventual margin compression
- **Leadership** in Global Medical Markets
- Invest heavily in R&D to create optionality
- Brand building and protection through high-quality product

#### **MEDIUM TERM**

- Harvest Canadian market cash flow from **near-term domestic** strategy
- Leverage R&D work in **higher-margin** products (Vapes, CBD infusions, etc.)
- Global Medical leading to higher-margin sales

#### **LONG TERM**

- Branded **high-margin products** across both global medical and consumer markets
- R&D supports product development, brand development, and continued improvement in yields

# High-Margin Strategy

### A Sustainable Long-term Business Model

# Maximizing average selling price through:

Leadership in key international markets allowing strategic focus on highest margin options (medical, new products)

Full margin capture in international markets through direct ownership of distribution channels

Commitment to science and product development > developing new higher margin products and marketable IP

# Driving down overall production per gram cash costs through:

Commitment to science and technology > increasing yields through genetics, low per gram operating costs from world-class automation and replicable largescale pharma-style production

Low-input cost locations

Leveraging massive scale to spread costs over a large volume of product

Production costs at scale are projected to be well below \$1 per gram



# Scientific Leadership Advantage

#### Strong Science & Innovation Team to Driving Medical Advancements



Jon Page, PhD
Chief Science Officer

First scientist to sequence the cannabis genome and provide deep insights into the biosynthesis of cannabinoids



Jason Dyck, PhD Human Scientist, Director

Professor in the Department of Pediatrics at the University of Alberta and a Canada Research Chair in Molecular Medicine



7 Pre-Clinical Studies in Progress

27 Clinical Studies Currently Under Discussion



Kelly Narine, PhD Head of Biomedical Research

PhD in Medical Genetics from the University of Alberta; Deep expertise in translating research into positive health outcomes



Shane Morris, PhD
Head of Product Development

Experienced executive in the cannabis industry since 2015; previously part of the senior leadership team at Hydropothecary

With Strong IP Retention on Clinical Studies

**Clinical Research Areas include:** Pain, Epilepsy, PTSD, Anxiety, Opioid Sparing, Cancer, Neurodegeneration

#### Partnering with Leading Institutions and Universities

























### Proven Management Team Driving High Pace of Execution



Terry Booth
Chief Executive Officer
CEO of 6 successful companies
with 25 years experience in highly
regulated industries



Steve Dobler
President
Successful entrepreneur, member of many public companies' board of directors. Responsible for raising substantial funds for Aurora



Glen Ibbott
Chief Financial Officer
Strong senior financial executive
with extensive life sciences sector
experience



Cam Battley
Chief Corporate Officer
Deep experience in pharma and cannabis sectors, Board member
Cannabis Canada

**Carey Squires** 



Neil Belot
Chief Global Business
Development Officer
Former executive director of
Cannabis Canada - Canada's trade
association for Licensed Producers



Jillian Swainson
Chief Legal Officer
Former Partner at Brownlee LLP with experience in corporate, commercial, intellectual property and securities law and providing advisory services in highly regulated industries



Darren Karasiuk
Chief Commercial Officer
Successfully launched Aurora into the
Canadian consumer market, achieving
strong brand recognition for Aurora's
brands. Former VP Insights & Advisory
at Deloitte



EVP, Corporate Development & Strategy
Former Managing Director and Co-Head of Equity-Linked Capital Markets for BMO Capital Markets, with deep experience in the U.S. and Canadian capital markets,



**Debra Wilson**Chief Human Resources
Officer
Seasoned leader with more than
25 years' experience in human

resources, developing and practicing

leading-edge methods



Darryl Vleeming
Chief Information Officer
Over 20 years of experience in Senior
IT leadership, project delivery, and IT
strategic planning at publicly traded
international corporations.



Jonathan Page
Chief Science Officer
Globally renowned cannabis scientist.
Co-lead of the Canadian team of
scientists who first sequenced the
cannabis genome. Co-founder of
Anandia I abs



Allan Cleiren
Chief Operating Officer
Experienced operational executive
with nearly three decades leadership
experience at private and public
companies

### Strong Board of Directors



Michael Singer
Executive Chairman
Former CFO, Clementia
Pharmaceuticals
Former CFO, Bedrocan Canada
Corp.



Terry Booth
Chief Executive Officer
CEO of 6 successful companies
25 years experience in highly-regulated industries



Steve Dobler

President

Successful entrepreneur, member of many public companies' board of directors. Responsible for raising substantial funds for Aurora



Shan Atkins
Director
Certified Public Accountant with over
20 years of corporate leadership
experience. Served on public
company boards, including
Shoppers Drug Mart



Dr. Jason Dyck
Director
Professor in the Department of
Pediatrics and Director of
Cardiovascular Research Centre,
University of Alberta



Norma Beauchamp
Director
Former President and CEO of Cystic
Fibrosis Canada, Director of Acerus
Pharmaceuticals



Ronald Funk
Director
Deep consulting business
experience, former VP Corporate
Affairs and Competitive
Improvement for Rothmans



Adam Szweras
Director
Experienced securities lawyer,
Founder of US developer of
marijuana, hemp oil, and edible
products

Deep Expertise and Background in Cannabis, Hemp, Tobacco and Pharmaceutical

### Checking All the Boxes - A Platform for Accelerated Growth



Industry-Leading Scale



Low Production Costs and Industry-Leading Yields



Extensive Distribution Channels in Canada and Internationally



Proficient M&A Capabilities



Proven Execution & Agility Across Value Chain



**Enhanced Diversification** 



Award-Winning Product Lines Support Brand Leadership



Innovation and R&D Excellence



Business Integration Expertise



Enhanced Capital Markets Profile



#### **Cam Battley**

Chief Corporate Officer cam@auroramj.com

#### **Ananth Krishnan**

VP, Capital Markets & Investor Relations ananth.krishnan@auroramj.com

### Rob Kelly

Director, Investor Relations rob.kelly@auroramj.com

#### **Investor Relations**

1-855-279-4652 ir@auroramj.com



# Industry-Leading Scale

#### 15 Production Facilities

	LOCATION	SIZE	CAPACITY	STATUS	CULTIVATION	LICENSE SALE	EU GMP
Aurora Mountain	Mountain View, Alberta, Canada	55,200 sq.ft.	4,800 kg/year	Operating since 2015	•	•	•
Aurora Vie	Pointe Claire, Quebec, Canada	40,000 sq.ft.	4,000 kg/year	Operating since June 2018	•	•	
Aurora Eau	Lachute, Quebec, Canada	48,000 sq.ft.	4,500 kg/year	Facility in full operation	•	•	
Aurora Sky	Edmonton, Alberta, Canada	800,000 sq.ft.	>100,000 kg/year	Facility in full operation	•	•	
Aurora Sun	Medicine Hat, Alberta, Canada	1,620,000 sq.ft.	>230,000 kg/year	Full construction to be completed by mid calendar 2020			
Aurora Nordic 1	Odense, Denmark	100,000 sq.ft.	8,000 kg/year	Facility construction complete	•		
Aurora Nordic 2	Odense, Denmark	1,000,000 sq.ft.	>120,000 kg/year	Full construction to be complete by mid calendar 2020			
Aurora Prairie	Saskatoon, Saskatchewan, Canada	97,000 sq.ft.	19,000 kg/year	Operating since 2004. Facility upgrades underway	•	•	
Aurora Ridge	Markham, Ontario, Canada	55,000 sq.ft.	7,000 kg/year	Operating since 2014	•	•	•
Aurora River	Bradford, Ontario, Canada	210,000 sq.ft.	28,000 kg/year	Facility in full operation	•	•	
Exeter	Exeter, Ontario, Canada	1,000,000 sq.ft.	105,000 kg/year	Land and building purchased			
Whistler Alpha Lake	Whistler, British Columbia, Canada	12,500 sq. ft.	500 kg/year	Operating since 2014	•	•	
Whistler Pemberton	Pemberton, British Columbia, Canada	62,000 sq. ft.	>5,000 kg/year	Phase 1 in operation. Phase 2 expected to be completed in September 2019	•		
ICC Labs	Canelones, Uruguay	21,000 sq.ft.	27,135 kg/year	Facility in full operation	•	•	
Aurora Portugal	Portugal	38,000 sq.ft.	4,000 kg/year	Phase 1 expected to be completed in calendar Q3 2020			

### Executing on the Global Cannabis Opportunity

#### **Distribution**

 Largest Canadian private retailer of adult beverages including beer, wine, spirits

#### **ALCANNA**

- Bringing a state-of-the-art consumer retail concept featuring a variety of brands and wide selection of cannabis products
- Opening 37 stores and retrofitting existing liquor stores into cannabis retail outlets
- Investment aids rapid development of Canadian cannabis retail network

#### **Extraction**

• ~17% ownership interest



- Proprietary technology provides superior ingredient purity, yield, and cost
- Aligned with strategy of becoming the leading vertically integrated player considering the growing importance of cannabis extracts

#### Cultivation



First mover in Australia focused on developing medicinal cannabis products

#### Plant Science and Product R&D



 Leading processor & marketer of hemp-based products and brands

florafotonica

Developer of advanced grow light technologies



 Leading organic waste technology company that developed an on-site system that turns organic waste into clean water



 Provides safe, flexible, simple and innovative drug delivery systems for pain management therapies and treatments



 Platform specializing in softgel encapsulation; expands Aurora's differentiated, higher-margin product offerings

#### **Consumer Engagement and Brands**



E V I O

WAGNERWEDIMAS

- Curated cannabis retailer with access to "craft" cannabis supply, and diverse brands for consumers
- Comprised of a portfolio of conscious lifestyle brands
- Technology enables the production of over 75 different pre-rolled product types, addressing a wide variety of market demands



 Developing a network of cannabis and accessory retail stores, as well as manufacturing and distributing branded cannabis accessories

### Select Portfolio of Clinical Studies

Indication	Research Partners	Trial Name	Phase
Cancer Pain Management	OCOG, Sunnybrook Health Science Center, Hamilton Health Sciences, Juravinski Cancer Center	Cannabis Oil for Pain Effectiveness	11
Osteoarthritis	McGill University Health Network & Queen Elizabeth II Health Science Center	Vaporized Cannabis for Painful Osteoarthritis of the Knee	lla
Epilepsy	Royal University Hospital and University of Saskatchewan	CBD in Children with Refractory Epilepsy	Ш
Tourette's Syndrome	University Health Network	Vaporized Cannabis in Adults with Tourette's Syndrome	П
Pharmacokinetics	N.A.	Comparative Bioavailability and Pharmacogenomics Study of THC on Healthy Volunteers	1
Epilepsy	Ontario Brain Institute, UofT, University Health Network, University Hospital London, Toronto Western Hospital	CBD and THC Given as Adjunctive Therapy to Adults with Refractory Seizures	IÍI
Genetics	Mount Sinai Hospital	Identification of Genetic Biomarker Signatures associated with Cannabis Efficacy and Dose in Survey Patients	N.A.
Chronic Pain	CFL Alumni Association, CannaConnect Clinic	Assessing the Effects of Medical Cannabis on Pain and Related Quality of Life in Retired Athletes with Chronic Pain	N.A.
Multiple Medical Conditions	University of Alberta	Health and Economics-Based Outcomes of Cannabis-Based Therapies	N.A.