

	What	Where	Who	website
	Alliance of Semiconductor Innovation Canada (https://semiconductoralliance.ca/)		Alliance of Semiconductor Innovation Canada (https://semiconductoralliance.ca/)	
Design - CMOS		Vancouver	AMD	https://www.amd.com/en.html
			Bonsai Micro	https://bonsai-micro.com/
			Astera Labs	https://www.asteralabs.com/
			Epic Semiconductors	https://www.epic-semiconductors.com/
			Intel	https://www.intel.com/
	high-speed datacomm PHYs		Microchip	https://www.microchip.com/#
			Sierra Wireless	
		Calgary		
		Edmonton		
	high-speed datacomm PHYs & IP	Waterloo/Hamilton/Toronto	Alphawave Semi	https://awavesemi.com/
			Astera Labs	https://www.asteralabs.com/
	GPU Processors		AMD	https://www.amd.com/en.html
	low-power edge accelerated AI processor		Blumind	https://blumind.ai/
	high-speed datacomm PHYs		Cadence	
	power efficient blockchain hardware acceleration		ePIC Blockchain Technologies	https://epicblockchain.io/
			ethernovia	
	high-speed datacomm PHYs / FPGA design & architecture		Intel	https://www.intel.com/
			KAPIK	
	Ethernet MAC		Marvell	
	synthesisable programmable PLL & clock solutions		Movellus	https://www.movellus.com/
			NVIDIA	
			ON Semi	
	60GHz 5G silicon solutions		Peraso	https://perasoinc.com/
	Auto and AI processor solutions		Qualcomm	
	high-speed datacomm PHYs		RAMBUS	
	high-speed datacomm PHYs		Semtech	https://www.semtech.com/
	high-speed datacomm and photonic design solutions		StarIC	https://www.staric.ca/
	AI accelerator chips		Tenstorrent	https://tenstorrent.com/
	high-speed datacomm PHY IP		The SIX Semiconductor	https://www.thesixsemi.com/
	power efficient AI processor solutions (in-memory compute)		Untether	https://www.untether.ai/
		Kingston	Sparq (micro inverters)	https://www.sparqsys.com/
	digital design consulting	Ottawa	Accenture - ExtremeEDA	
	photonic data-comm solutions		Ciena	
	6G silicon solutions		Dell	
	WiFi silicon solutions		Edgewater Wireless	https://edgewaterwireless.com/
			Marvell	
			Microchip	https://www.microchip.com/
	chip-to-network photonic data-comm solutions		Ranovus	https://ranovus.com/
			Semtech	https://www.semtech.com/

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			Skyworks	https://www.skyworksinc.com/	
		Montreal			
		Bromont/Sherbrooke	Spark Microsystems (UWB)	https://www.sparkmicro.com/	
		Quebec City			
Design - MEMS	eye & pupil tracking / fatigue & focus detection	Waterloo	AdHawk	https://www.adhawkmicrosystems.com/	
		Montreal	MEMS Vision	https://mems-vision.com/	
			Aeponyx	https://www.aeponyx.com/	
	MEMS based directional microphones		Soundskrit	https://soundskrit.ca/	
			Stathera	https://www.stathera.com/	
		Bromont	Boreas	https://www.boreas.ca/	
Design - Photonics		Vancouver			
		Ottawa			
			Ciena		
			Enablence Technologies	https://www.enablence.com/	
			Ericsson		
			HyperLume	https://www.hyperlume.com/	
			InPho	https://www.inpho.io/	
			Lumentum	https://www.lumentum.com/en	
			Ranovus	https://ranovus.com/	
		Montreal	Aeponyx	https://www.aeponyx.com/	
			Fonex	https://www.fonex.com/	
			Laser Components Canada	https://www.lasercomponents.com/de-en/	
			One Silicon Photonics Chip	https://onesiliconchipphotonics.com/	
		Quebec City	INO - photonics	https://www.ino.ca/en/	
			Teraxion - photonics	https://www.teraxion.com/en/	
	Turnkey photonic integrated circuit development		Syphos	https://syphos.ca/	
		Toronto	Ascenta - photonics	https://www.ascenta.tech/	
			SCINTIL - photonics	https://www.scintil-photonics.com/	
Design Tools - CMOS		Toronto	Astrus - AI for Analog Layout	https://www.astrus.ai/	
		Saskatoon	Siemens - Solido	Solido Solutions Siemens Software	
Design Tools - Photonics		Vancouver	Lumerical - Ansys	https://www.lumerical.com/about-lumerical/	
Fabrication		Edmonton	Applied NanoTools	https://www.appliednt.com/	
	RF GaN amplifier solutions		TransEON	http://www.transeon.ca/	
	z-dimension thin film technology		Zinite	https://zinite.com/	
	compound semiconductor fabrication	Ottawa	CPFC	https://nrc.canada.ca/en/research-development/nrc-facilities/canadian-photonics-fabric	
		Montreal	5N Plus	https://www.5nplus.com/en/	
	Deposition services & equipment		Nanogrande	https://nanogrande.com/	
		Bromont	C2MI	https://www.c2mi.ca/en/	

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Fabrication - academic	World's largest pure-play MEMS foundry		Teledyne-Dalsa	https://www.teledynedalsa.com/en/home/	
		Vancouver	UBC		
		Calgary			
		Edmonton	UofA - Alberta NanoFab	https://www.nanofab.ualberta.ca/	
		Waterloo	University of Waterloo - QNFCF	https://qnfcf.uwaterloo.ca/	
		Hamilton	McMaster University		
		Toronto	University of Toronto - TNFC	https://tnfc.utoronto.ca/	
Fabrication Tools	compound semiconductors	Vancouver	Crosslight Software	https://crosslight.com/	
	photonics		Lumerical - acquired by Ansys	lumerical.com	
	yield enhancement / predictive maintenance	Toronto	Solid State AI	https://www.solidstate.ai/	
	process control	Waterloo	PEER Group	https://www.peergroup.com/	
	die identification	Bromont	Digitho	https://digitho.com/	
Test		Ottawa	Da-Integrated	https://www.da-integrated.com/	
		Toronto	Eletech Semi	https://eletechsemi.com/	
		Bromont	IBM		
			C2MI		
Packaging		Vancouver	Dream Photonics	https://dreamphotonics.com/	
		Ottawa	Jabil	https://www.jabil.com/contact/locations/ottawa.html	
			Ranovus - photonics	https://ranovus.com/	
			Sanmina	https://www.sanmina.com/locations/ottawa/	
		Bromont	IBM	https://www.ibm.com/consulting/assembly-test-services	
			C2MI	https://www.c2mi.ca/en/	
Compound Fabrication					
GaN on Si	Faster switching frequencies than SiC	Vancouver	GaN Power International	https://iganpower.com/	
		Ottawa	GaN Systems - now Infineon	https://gansystems.com/	
GaN on GaN	lasers	Ottawa	CPFC	https://nrc.canada.ca/en/research-development/nrc-facilities/canadian-photonics-fabric	
SiC	typically higher power capability than GaN				
InP	Lasers (short), LED, detector, amplifier RF: radar, 6G telecom	Ottawa	CPFC	https://nrc.canada.ca/en/research-development/nrc-facilities/canadian-photonics-fabric	