



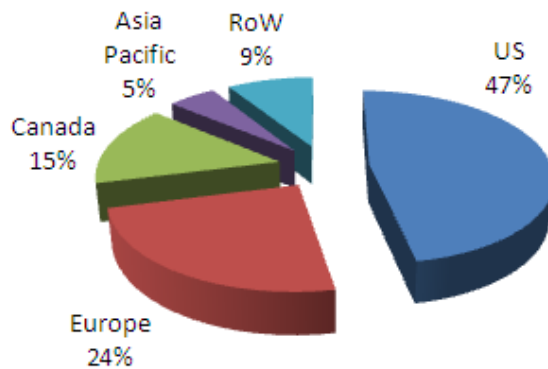
Réseau photonique du Québec  
Quebec Photonic Network



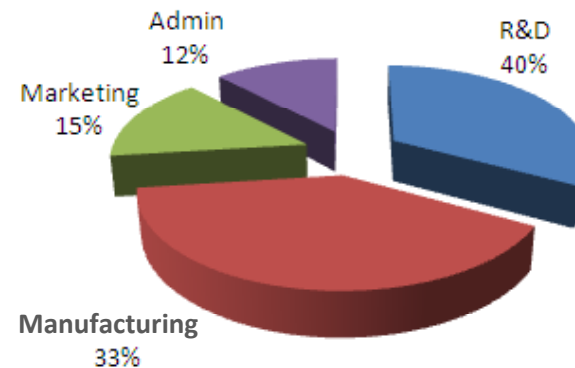
# Quebec – Ontario Photonics Innovation Corridor



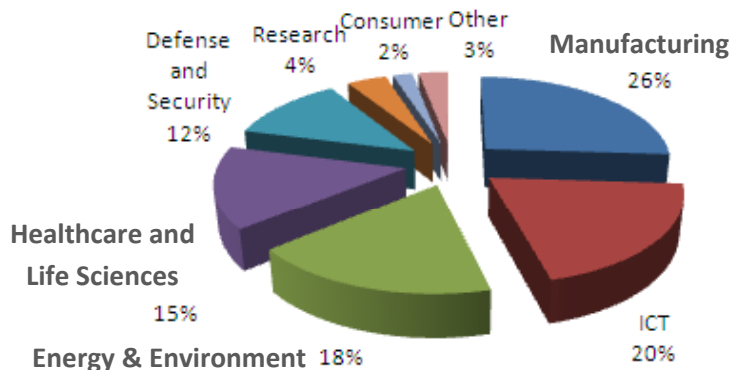
# Photonics in Canada is a \$ 4 billion sector employing 20,000 people



➤ 85% of revenues are from exports



➤ Companies are R&D intensive



➤ And supply many end markets



Réseau photonique du Québec  
Quebec Photonic Network



# Québec – Toronto Photonics Corridor





## Nine potential projects have already been identified

#	Project Title	Target Market	Investment Required (million \$)	Potential Revenue (million \$)	Jobs Created
1	Renewable Energy: Hydro to Solar	Green Tech	\$3	\$2,000	250
2	Optical Guided Surgery	Life Science	\$2.5	\$25	100
3	Photo-activated Drugs for Cancer and Neurobiology Therapies	Life Science	\$8	\$25	100
4	Uncooled Long Wavelength Infrared Imagers	Security and Sensors	\$9	\$23	100
5	Sensors for Monitoring Civil Infrastructure	Civil Engineering	\$1	\$3	15
6	High Power UV Light Emitting Diodes for Curing Epoxy and Inks	Printing	\$0.1	\$7	25
7	Integrated Optical Circuit Manufacturing Facility	Fibre to the Home	\$12	\$13	50
8	Research into the Applications of Next Generation XUV Lasers	Research	TBA		
9	Test Bed for Ultra-High-Bitrate Optical Communications	Telecom	\$10	\$20	80

Investment Required and Potential Revenues are preliminary estimates to be confirmed



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Photonics is a key area of opportunity  
for collaboration between Quebec and  
Ontario.

Photonics drives economic development,  
links sectors, and promotes  
innovation.