

Then and Now Lasers

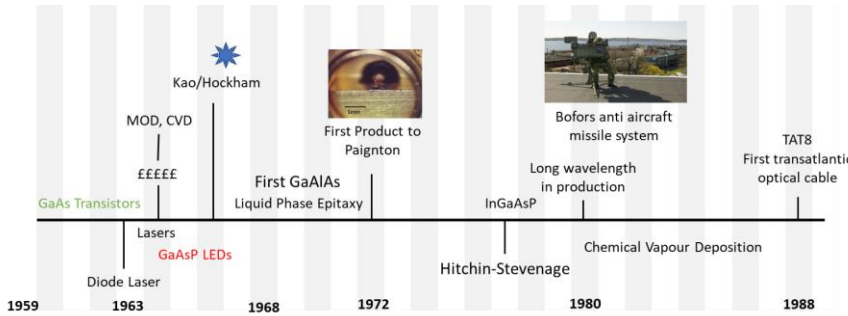
Peter Selway



2020

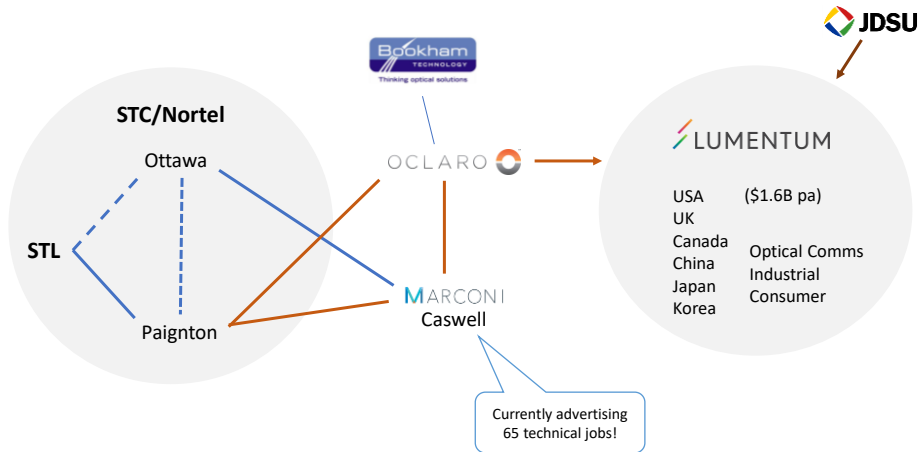
1

The early days



2

Evolution of the business



3

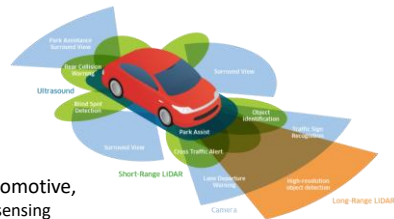
Today's Markets



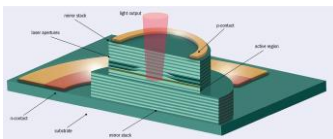
Photonic Integrated circuits



Components for fibre communications
Intercontinental fibre to the home
Within data centres between chips



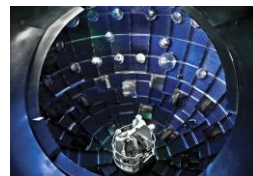
Automotive,
3D sensing
Lidar; Time of flight, cw fm
Gesture analysis



VCSELS (\$2B in 2019)
Smart Phones facial recognition
Cheap data comms



Fibre lasers for materials processing



Pumps for laser fusion ignition!

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