

re:build

Smart City experiments using Fibre Optics to sense the environment

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The City of Calgary is facilitating yet another Smart City Living Lab to support research and industry by allocating municipal assets to help accelerate innovation and the path to commercialization. Come view an exciting demonstration of how City Fibre can be used as a Sensor. Examine the potential applications with Autonomous Vehicles and Trains as a **win-win strategy** and collaboration between government, industry and academia.

The City of Calgary has partnered with Dr. Robert Ferguson, University of Calgary, to conduct research on how fibre optics can act as a sensor to gain insights into traffic, pedestrian and cyclist patterns of movement.

Municipalities are in a strong position to deploy fibre optics to deliver next-generation municipal services due to the amount of capital projects they engage in. Fibre optics is traditionally used for high-speed networks but new and highly valuable uses are being discovered that could propel innovative solutions for traffic and environmental management.

