



The Sentient Community



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Battersea Advisory



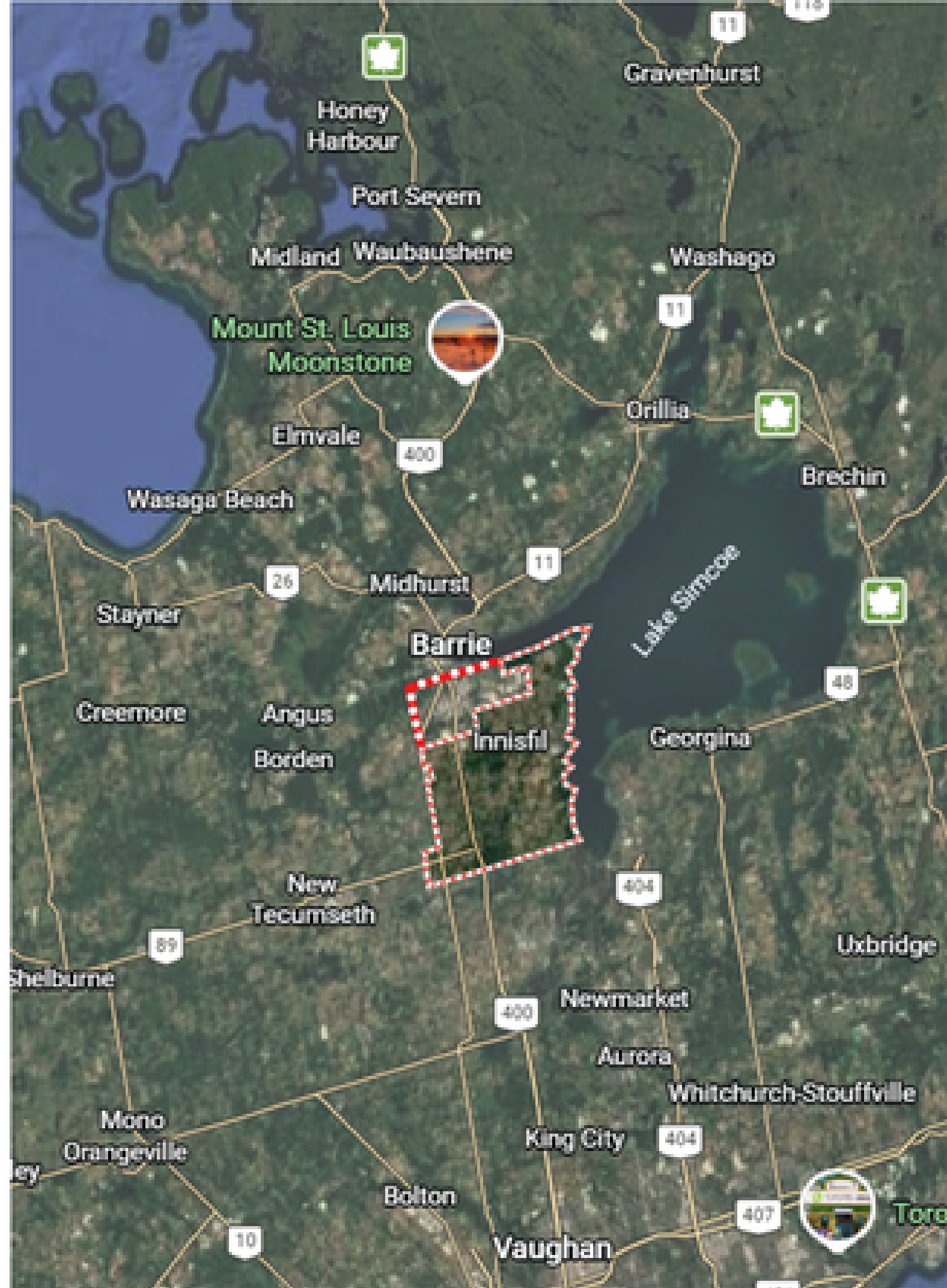
DANNY PERSAUD

President & CEO
**Town of
Innisfil Utilities**



GEOFF ROBERTS

Advisory Board Member
FibreSense US



Innisfil & South Barrie

- About 1 hour North of Toronto
- One of the fastest growing places in Ontario
- About 292 sq. kms (same size of Mississauga)
- Town owned utilities:



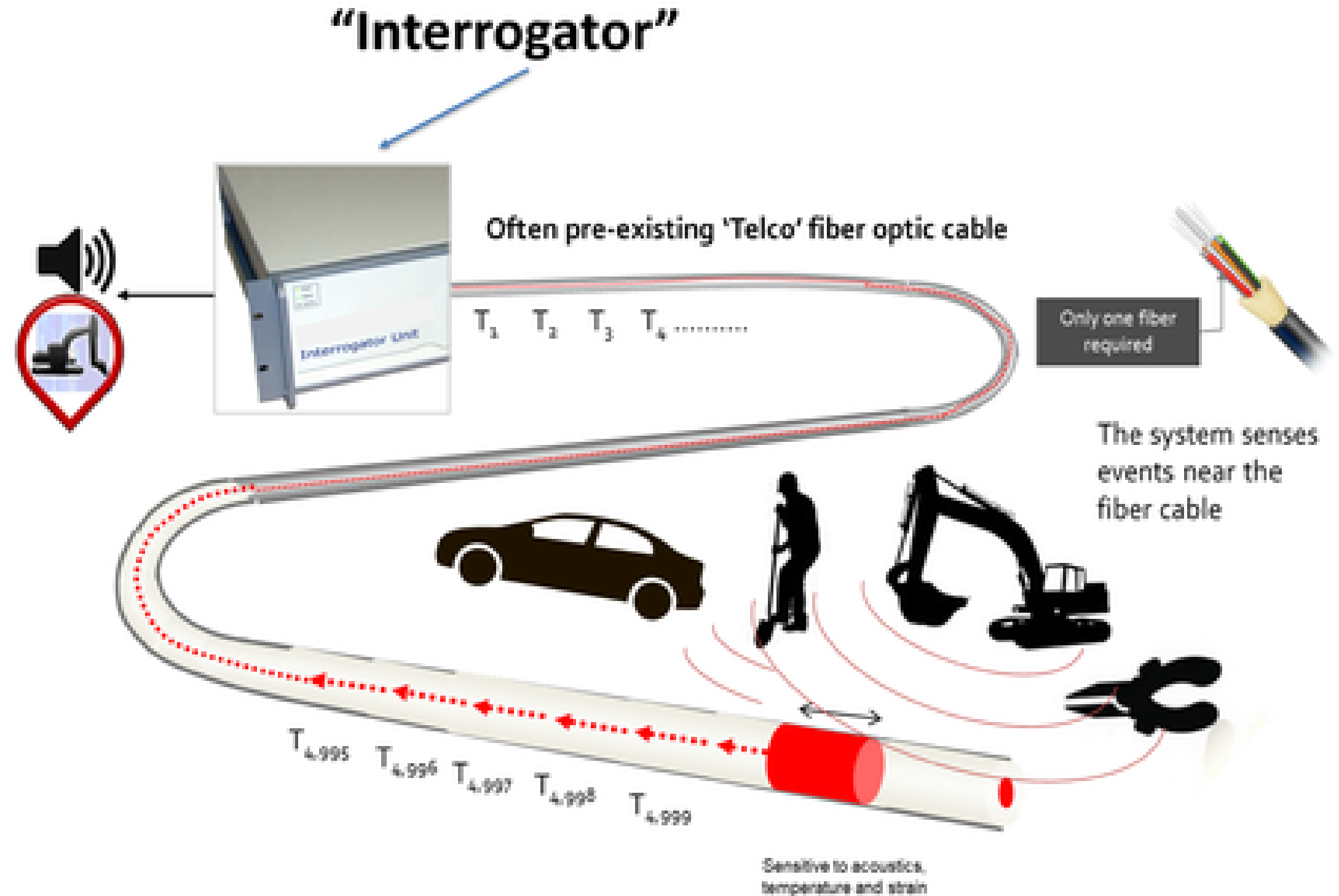
innservices
Water Supply, Treatment,
Transmission &
Distribution
Wastewater Collection &
Treatment Services

innpower
Electricity
Distribution

innterprises
Telecommunications,
EV Charing &
Energy Services

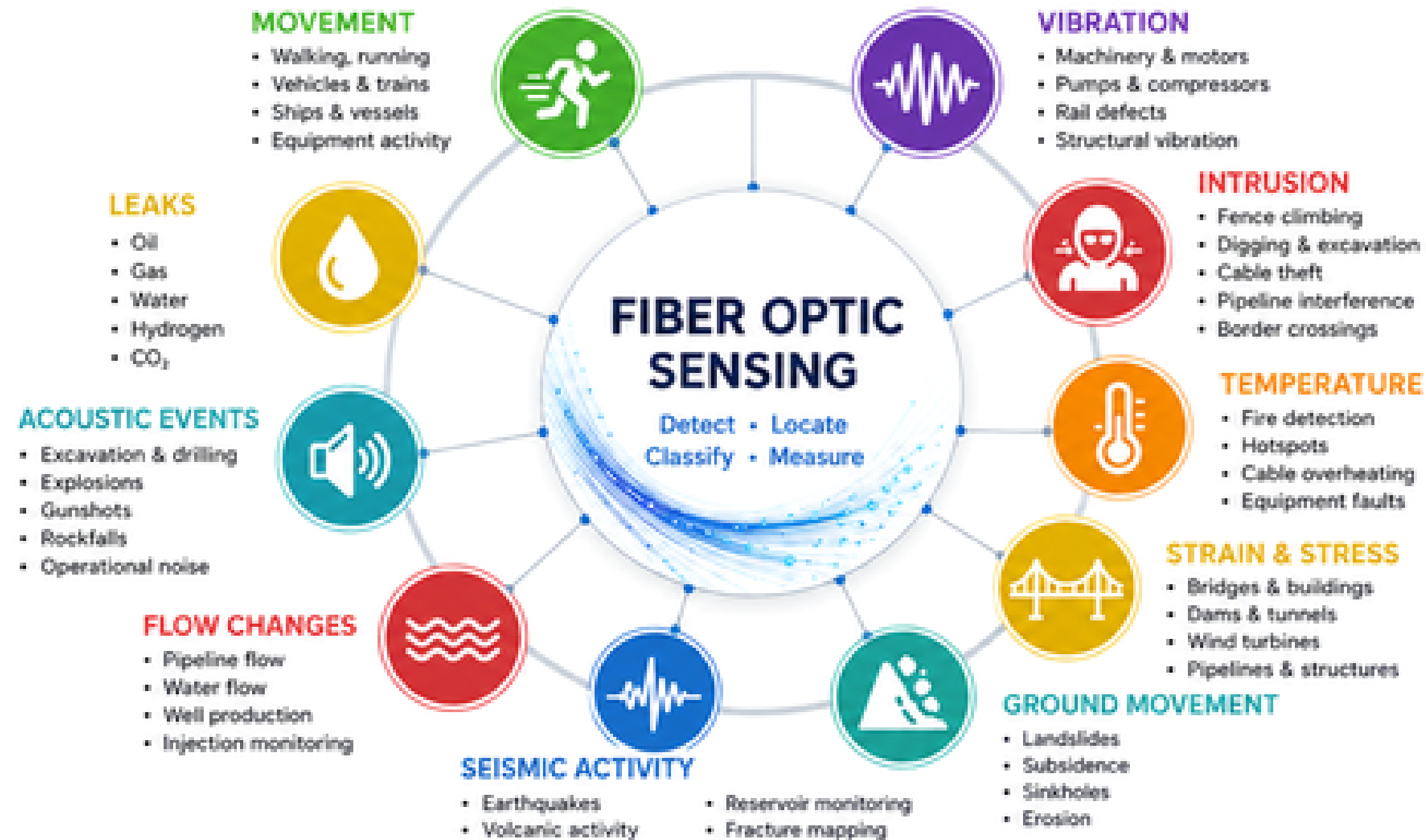
How Does It Work?

- DFOS sends pulses of light down a fiber many times per second
- Very long distances monitored at high spatial resolution in real time
- Monitors the return signal for vibrations, strain, and temperature around the fiber
- Uses AI and signal processing to automatically monitor, detect, and classify activity along the Right-of-Way
- Reports to operators immediately with GIS
- Actionable intelligence for response



24/7/365 Situational Awareness

What Can Fiber Sensing Detect?



APPLIED ACROSS
EVERY INDUSTRY



Pipelines



Railways



Power Grids



Data Centres



Roads &
Highways



Borders &
Perimeters



Dams & Water
Infrastructure



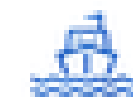
Mining



Buildings &
Bridges



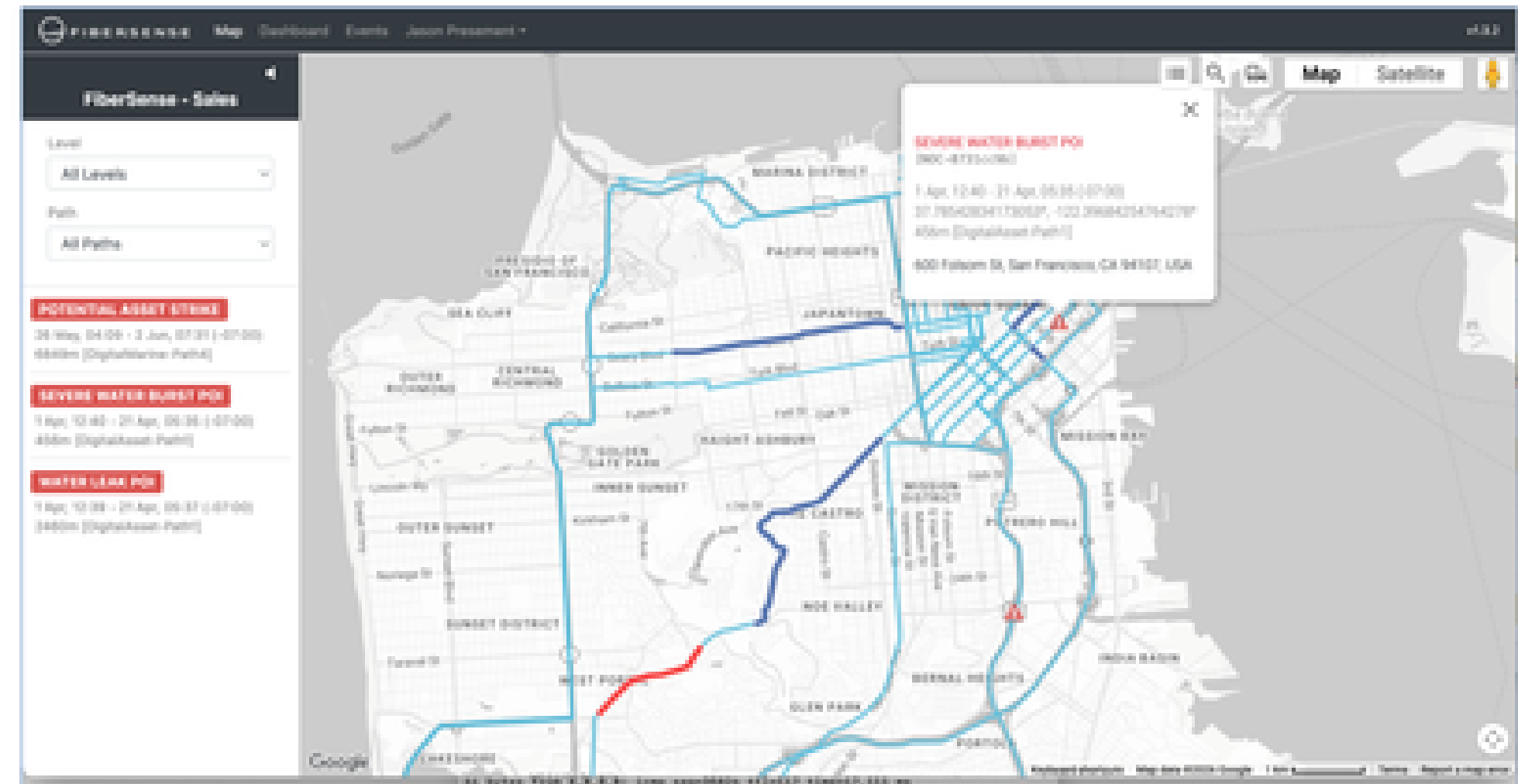
Telecom
Networks



Offshore &
Marine

 FIBERSENSE

What you DO need to see

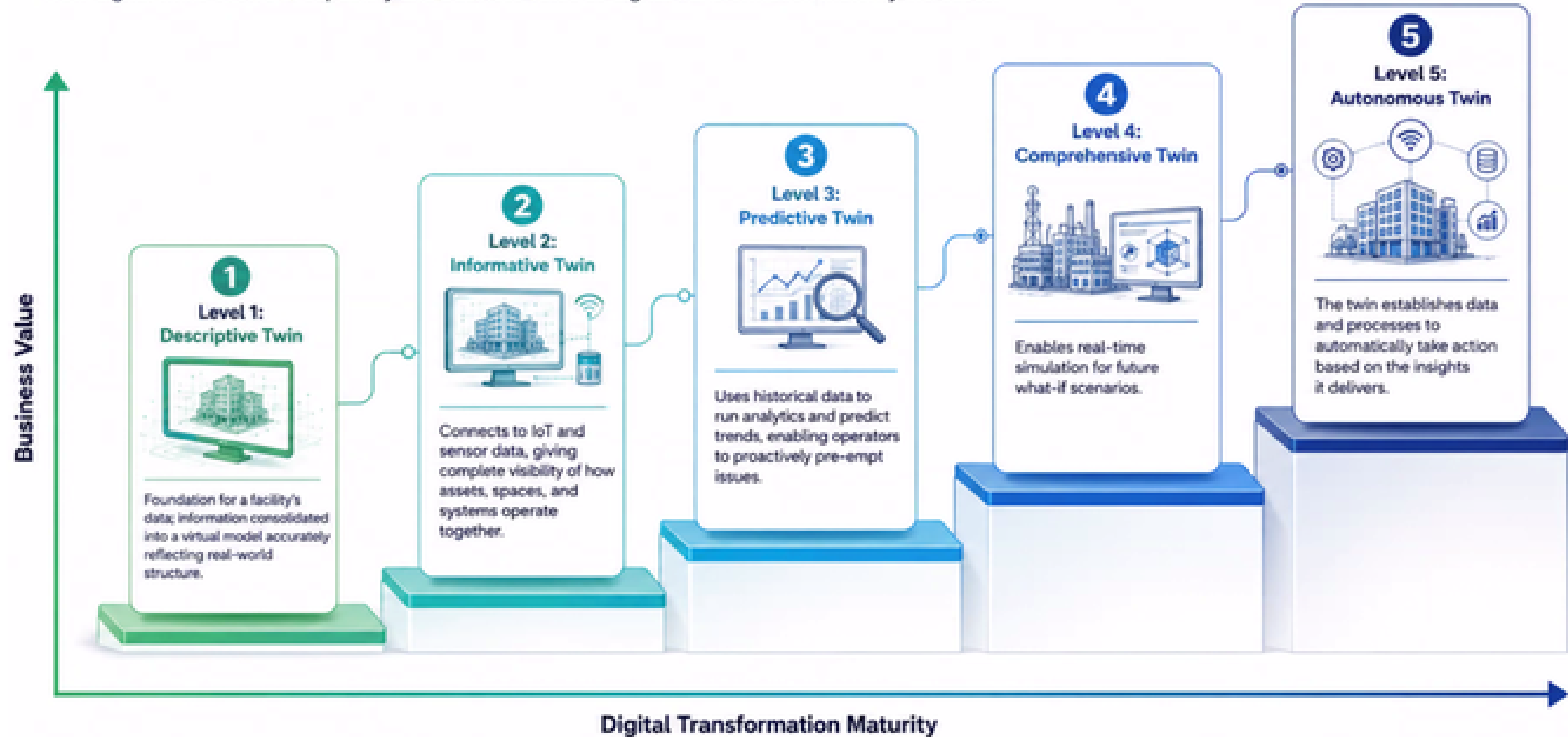


Digital Twin Maturity Model



Digital Twin Maturity Horizons

How digital twins evolve in capability and business value as digital transformation maturity increases.





Six Steps to Embedding Intelligence in Your Community's Infrastructure

New municipal builds represent a generation-defining opportunity. The outcome communities choose today will define their infrastructure's cost, resilience, and intelligence for the next 50 years.



Verityaptus is a proud member of the
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SMART INFRASTRUCTURE

MUNICIPAL STRATEGY



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