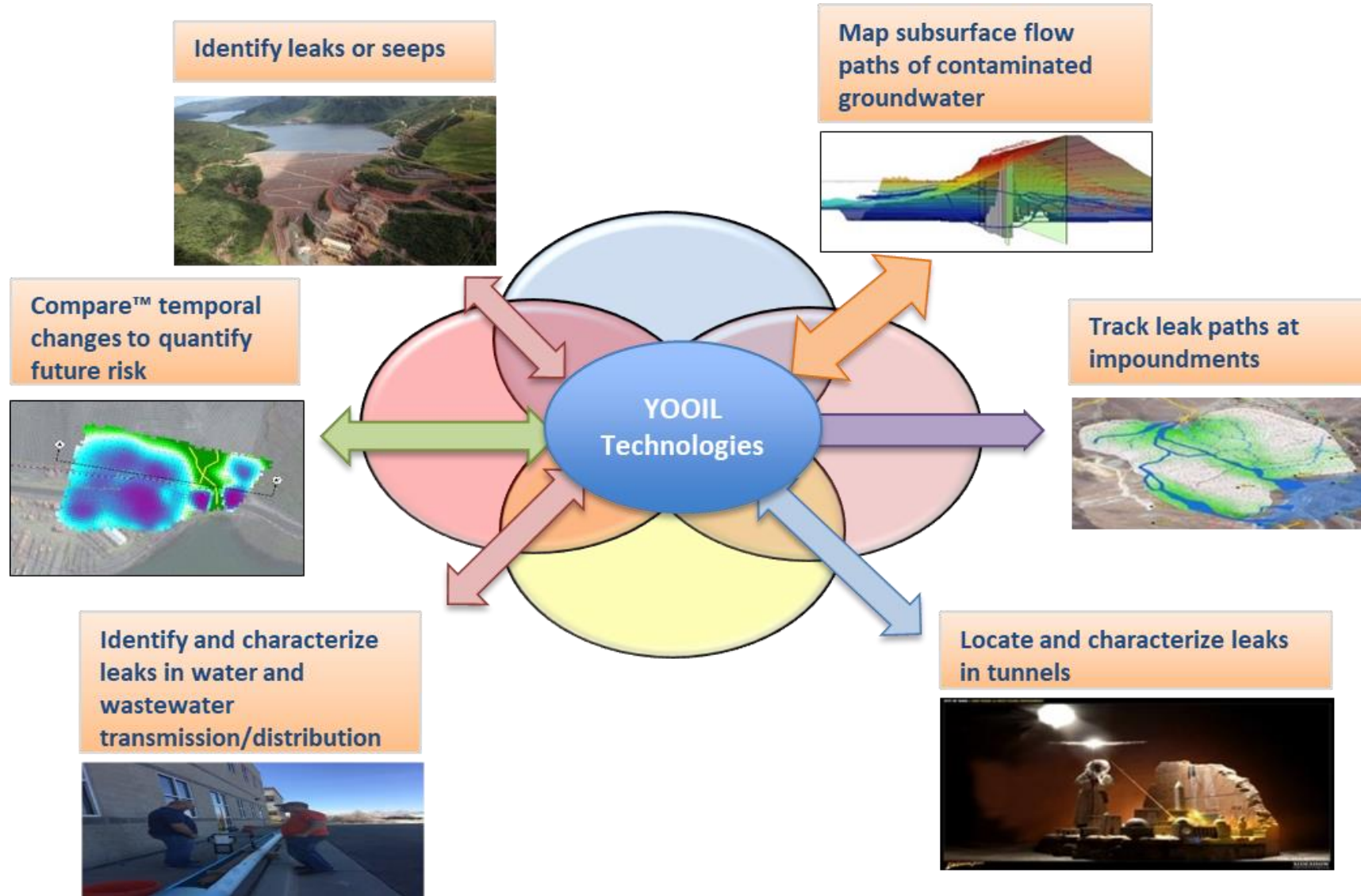


Dam Leak Investigation Solution

Major Areas of Focus

- Dams, canals, levees and groundwater
- Mining
- Oil and gas
- Environmental restoration
- Water and wastewater pipelines and tunnels

Dam Leak Investigation Solution



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Utilize Principles of Applied Physics

Earthen materials are poor electrical conductors (10^{-12} and 10^{-17} mho/m)

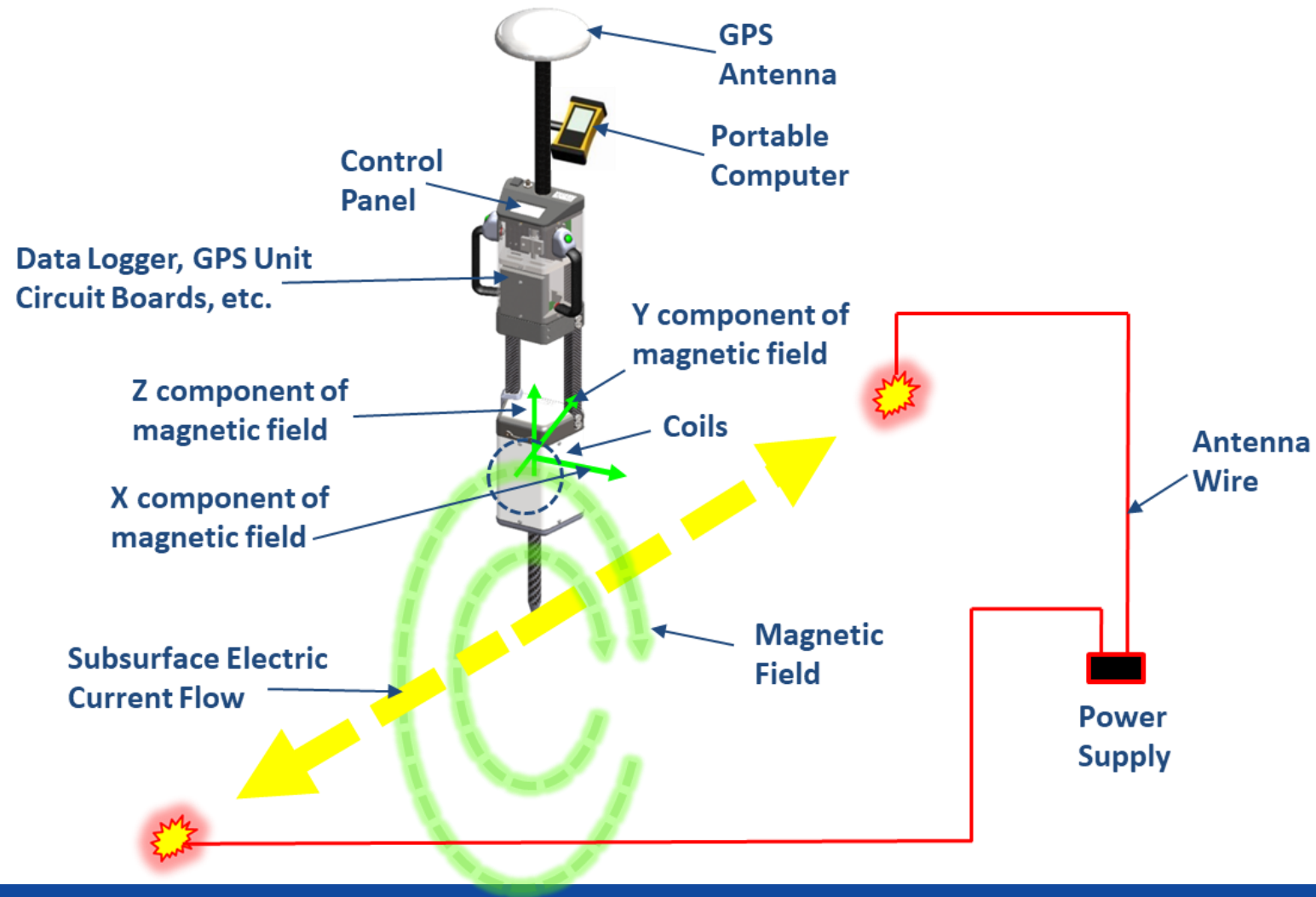
Water substantially increases the conductivity of earthen materials (10^{-1} and 10^{-8} mho/m)

Water and electricity will follow the path of least resistance ... when there is a potential difference

All electrical currents generate magnetic fields and the intensity of the magnetic field is proportional to the magnitude of the electrical current (Biot-Savart Law)

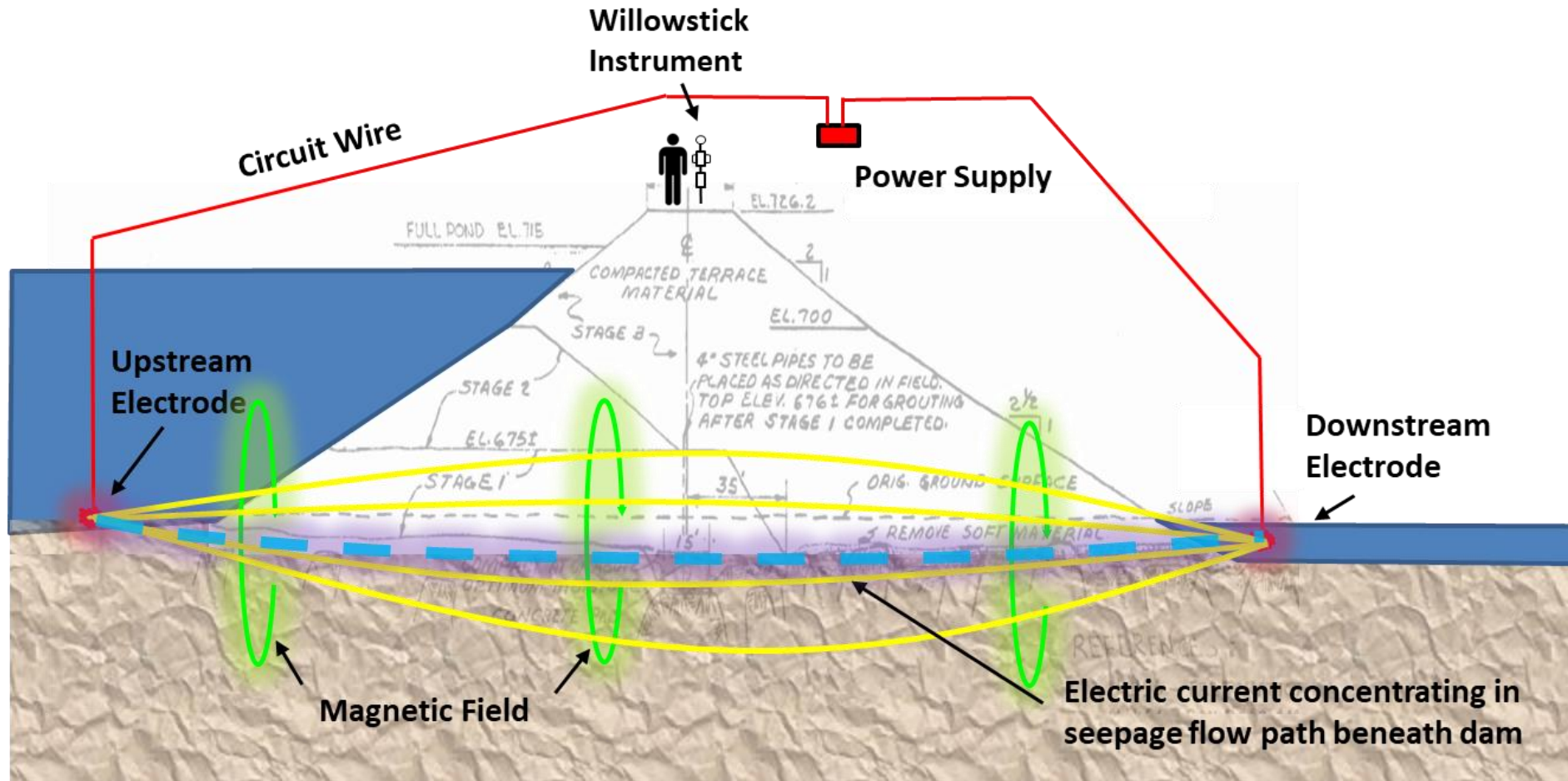
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The Instrument

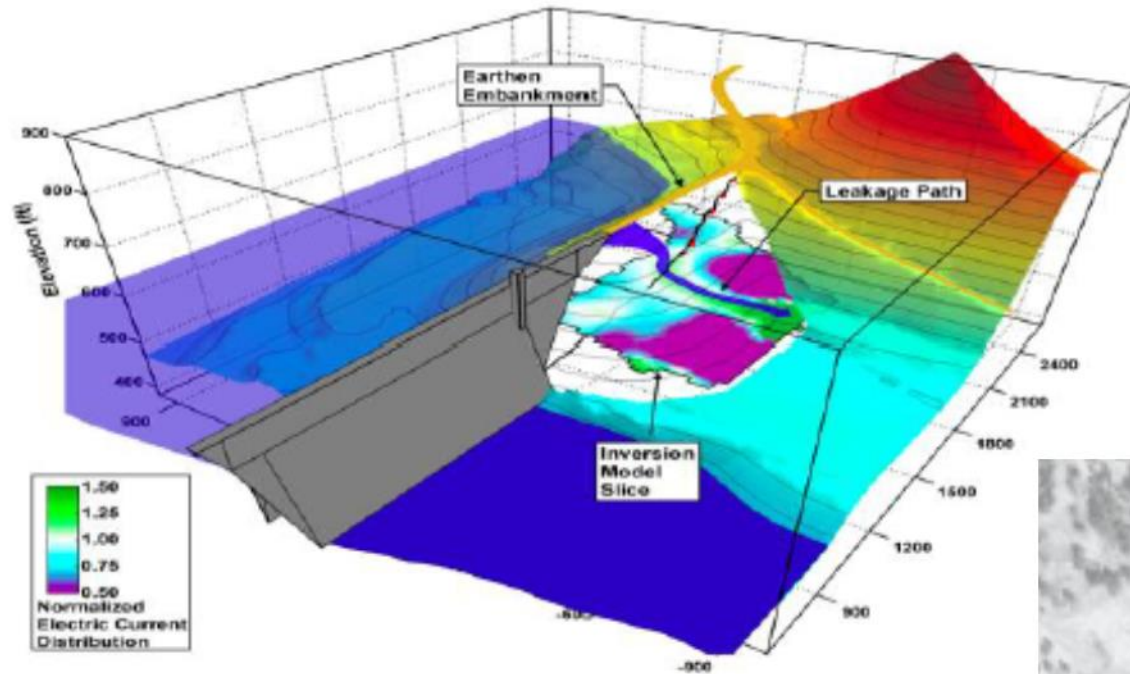


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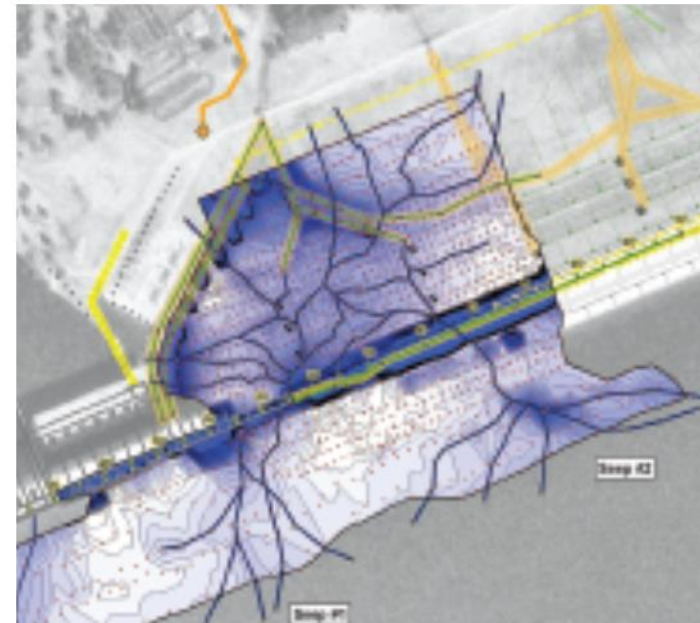
Typical Survey Configuration



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3D Pinpoint seepage and leakage of water path



Dam Leak Investigation Solution

- ✓ Patented, non-intrusive solution - unique in marketplace
- ✓ Technology created specifically to find subsurface water pathways
- ✓ Many applications benefit from similar core technology
- ✓ Proprietary software produced specifically for recognizing patterns
- ✓ Surveys are completed in days
- ✓ Real time – our surveys are adjusted in real time to reflect the realities of what we're seeing
- ✓ Adapted to most any environment

Dam Leak Investigation Solution

Does this Really Work?

- ✓ Over 250 successfully completed projects
- ✓ No magic here ... application of well-understood scientific principles
- ✓ Magnetic resonance imaging has changed medicine why not our industry?
- ✓ Imagine how different your world would be if you could see 300 meters down as well as you see 300 meters up

Dam Leak Investigation Solution

Worldwide Presence

