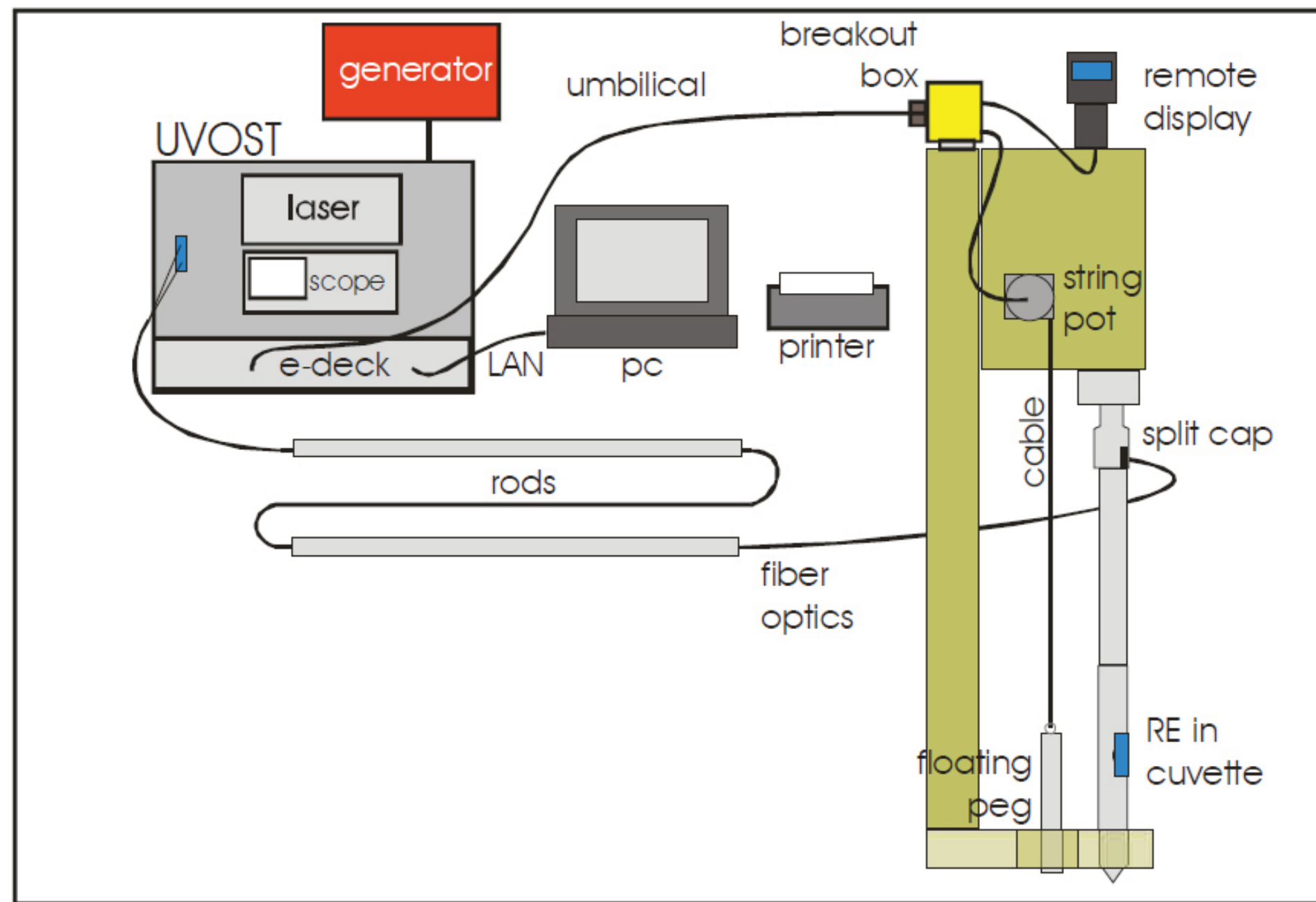




LIF - Ultraviolet Optical Screening Tool (UVOST)

The UVOST allows us to “see” PAH’s (Fuels/Oils) in the subsurface.

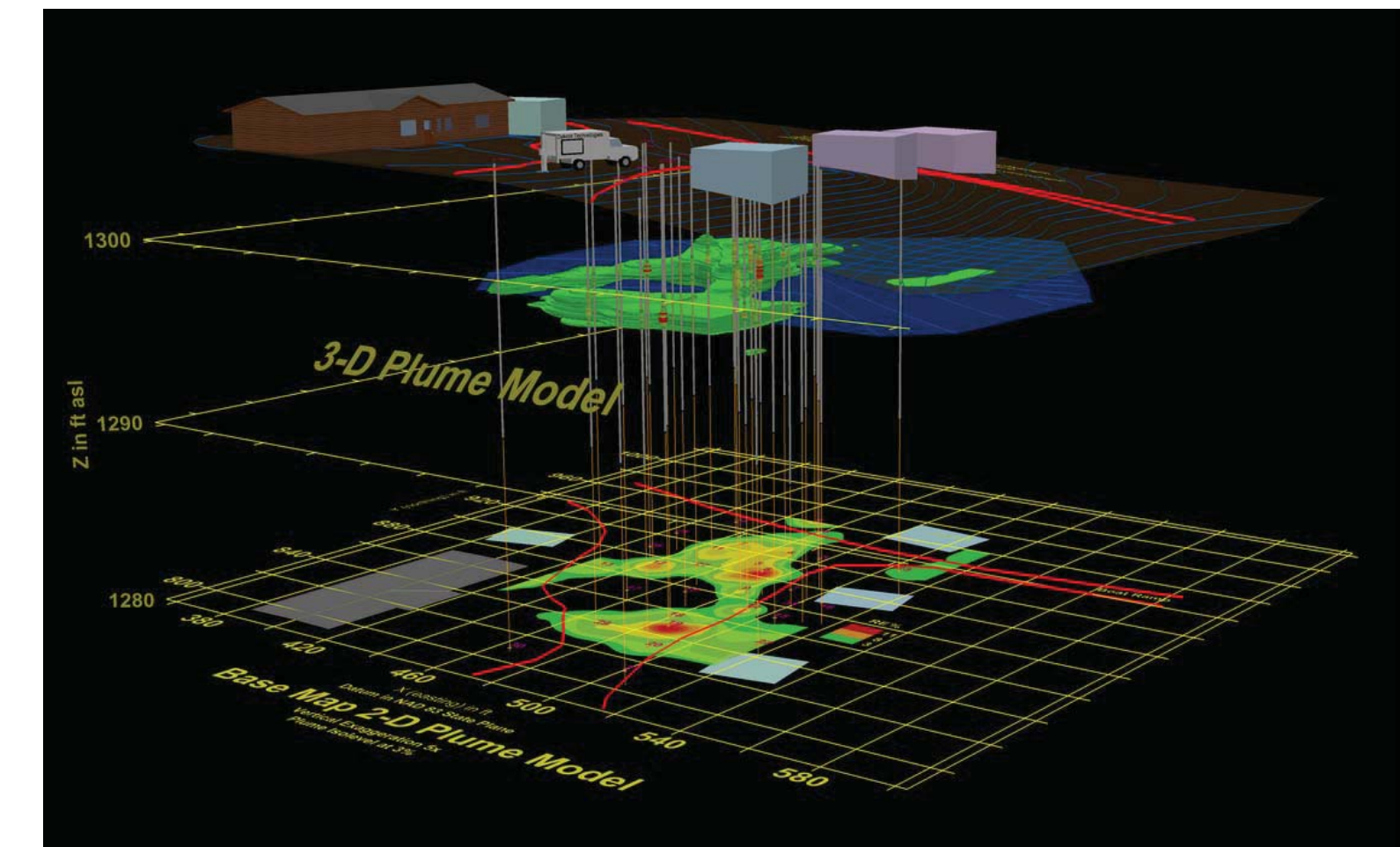


The benefits of UVOST are many:

- High Production Rates, up to 350 ft./day
- No Samples, investigation derived waste
- Transportable
- Decontamination Eliminated
- Quick Visual, Electronic Results (10 - 500 ppm detection limit)
- Functions in Extreme Conditions and Terrain

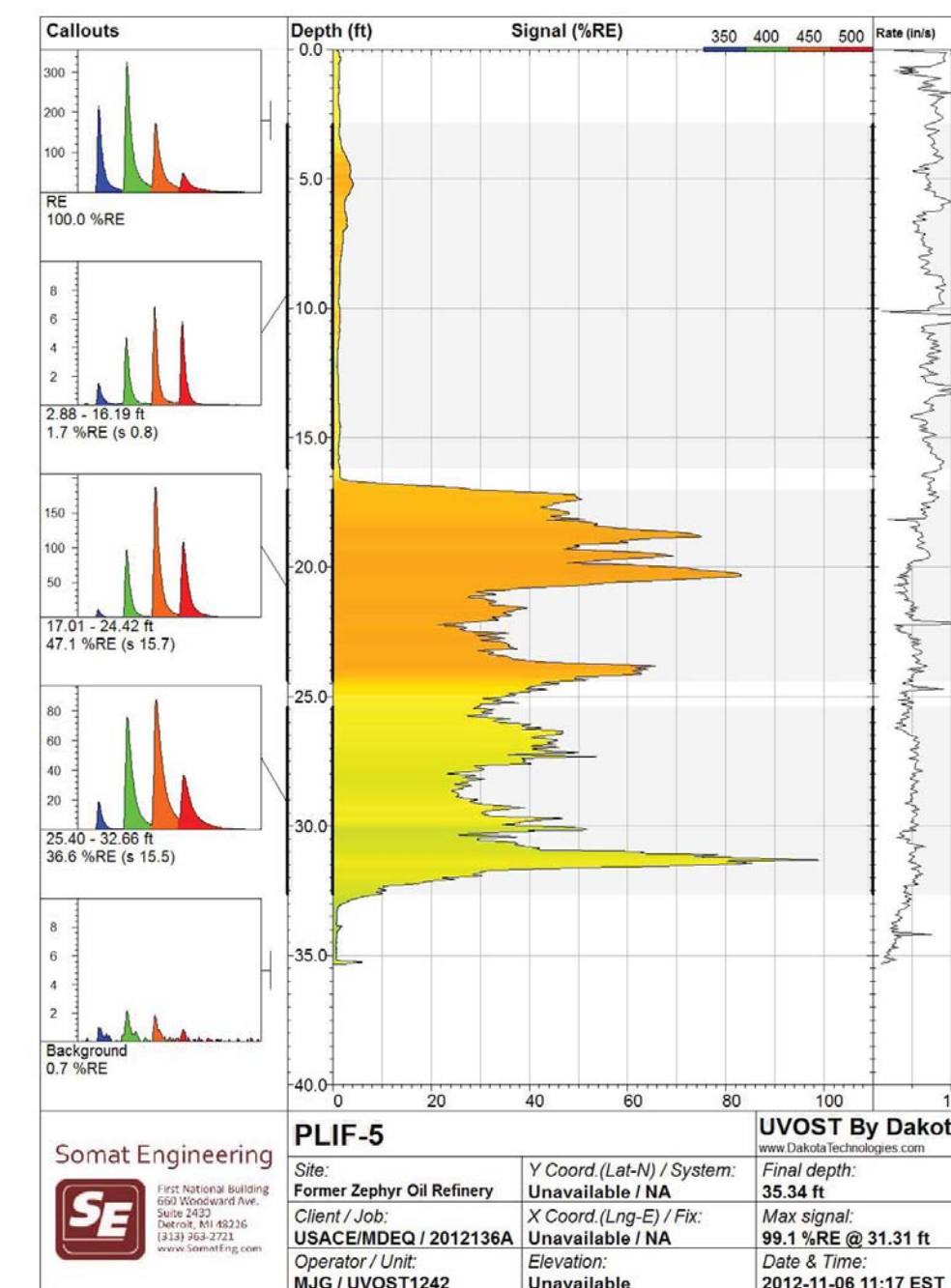
How it Works

UVOST® uses a sensor that allows rapid screening of most petroleum-based light non-aqueous phase liquids (LNAPLs). This tool uses laser-induced fluorescence (LIF) technology to immediately detect subsurface contamination without having to draw samples or wait for lab results. UVOST is ideal for detecting fuels, lubricants, oils, and other non-heavy petroleum products. For each hole the UVOST generates a detailed, colored log that shows the presence of PAHs versus depth.



Desired Result: Detailed Characterization

Somat Engineering Inc. is one of only 19 certified owners of UVOST equipment globally. The LIF technology is state-of-the-art and allows for real-time decision making following US EPA’s TRIAD approach.



LIF is widely used by:

- U.S. Army Corps of Engineers
- U.S. Environmental Protection Agency
- Numerous State Environmental Agencies Including Michigan, Ohio, Minnesota, and Wisconsin

For more information or a quote please contact:

Matt Germane or Duncan Mein at (313) 963- 2721

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