WHAT WE DO

TDR

Foundation testing and engineering design are too often treated as separate line items, handled by different vendors, on disconnected scopes, with a handoff somewhere in the middle. It can look cost-neutral on paper, but that separation introduces real risk: lost context, conservative guesswork, and slower decisions. Groundline Engineering closes that gap. The same team that performs your TDR testing also delivers the structural assessment and detailed design, one point of accountability, from field data to final recommendation.

OUR SERVICES

Groundline combines Time Domain Reflectometry (TDR) testing with structural engineering under one roof, one team, and one scope.

- **Testing through to design:** We take ownership of the full process, from condition assessment to final deliverables, and can re-evaluate or adapt without re-engaging outside firms.
- **Data interpreted by the people who design with it:** Our engineers work directly with the impedance signatures, stiffness gradients, and embedded length estimates they gathered themselves, so nothing gets lost in translation.
- **Near-real-time progression:** Test interpretation flows straight into engineering action, supporting go/no-go decisions on foundations in weeks, not months.
- **Standards-based, project-specific interpretation:** We apply TDR data against relevant design standards and actual loading conditions, avoiding the unnecessary conservatism that comes from vendors unfamiliar with the data.
- **Documentation built for scrutiny:** Combined reporting and design packages trace a clear line from test data to engineering rationale to final recommendation, supporting capital and regulatory submissions.

Let’s Get to Work.

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