

GROUNDLINE

FOUNDATION DESIGN

WHAT WE DO

FOUNDATION DESIGN

Foundations are one of the most consequential elements of any overhead line structure and one of the most variable. We also provide integrity assessment of existing foundations using proven non-destructive methods, including Transient Dynamic Response (TDR) technology for piled foundations, helping ensure transmission structures remain secure and resilient under varying environmental and operational conditions.

OUR SERVICES

- Foundation design for lattice towers, guyed towers, direct-embedded poles and base plate connected poles
- Pad and chimney, long pile (belled and un-belled), rock anchor and large pad designs
- Integrity and as-built assessment of existing piled foundations using Transient Dynamic Response (TDR) technology
- Management of geotechnical investigations
- Foundation upgrades and strengthening design

OUTSIDE OF OUR SERVICES

TOWERS & POLE STRUCTURES

- Lattice towers
- Guyed towers
- Direct-embedded or base plate-connected poles

DESIGN FOR DIFFICULT TERRAIN

- Steep slopes
- Soft ground
- Poor soil
- High-water tables.

Let's Get to Work.

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