

Micropiled Foundations.

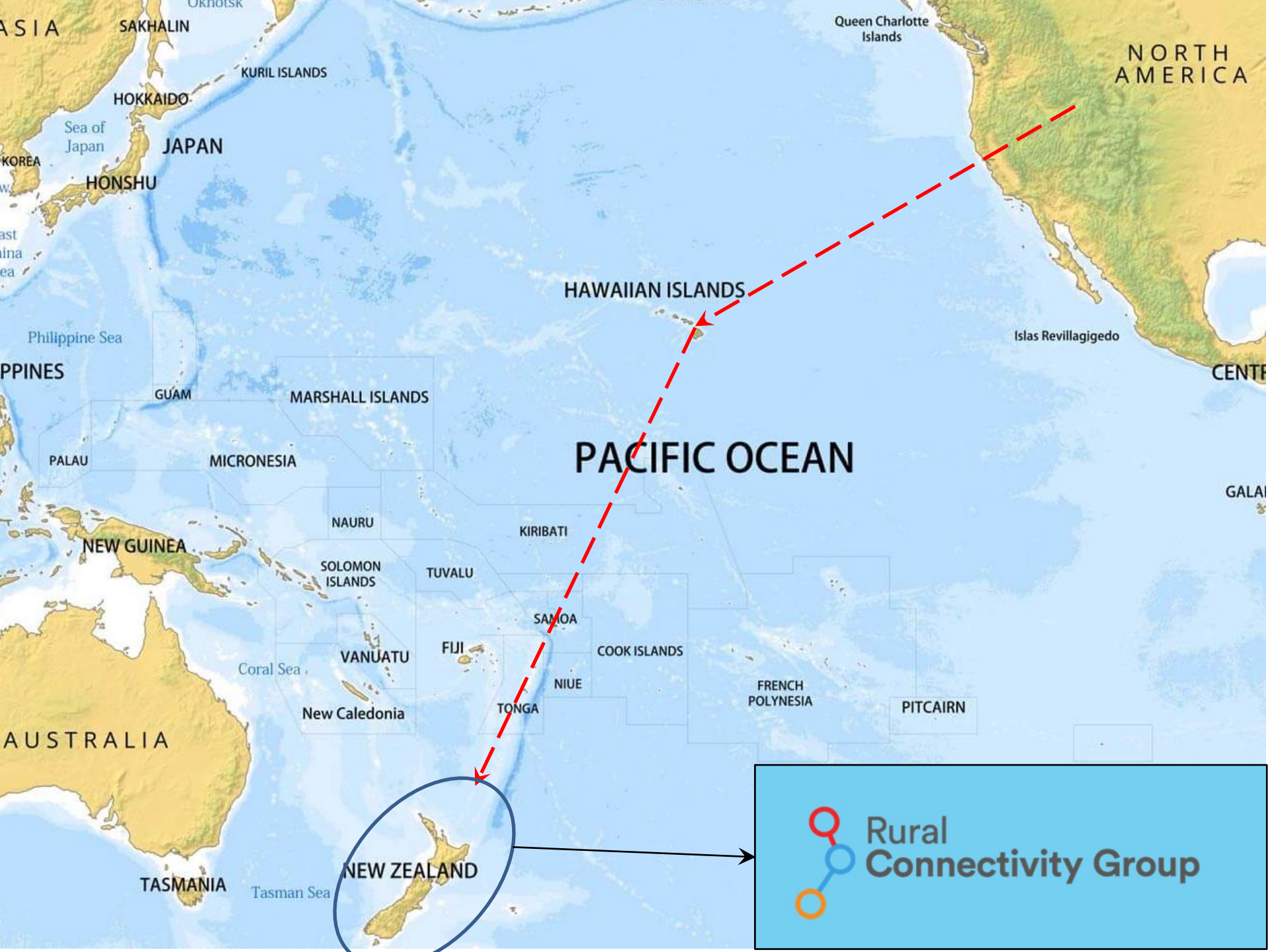
Connecting Remote Communities



**TOTAL
GROUND
ENGINEERING**

 Rural
Connectivity Group


 **EARTH
STABILITY**
CIVIL & GEOTECHNICAL ENGINEERING SOLUTIONS



HAWAIIAN ISLANDS

PACIFIC OCEAN

NEW ZEALAND



Rural
Connectivity Group

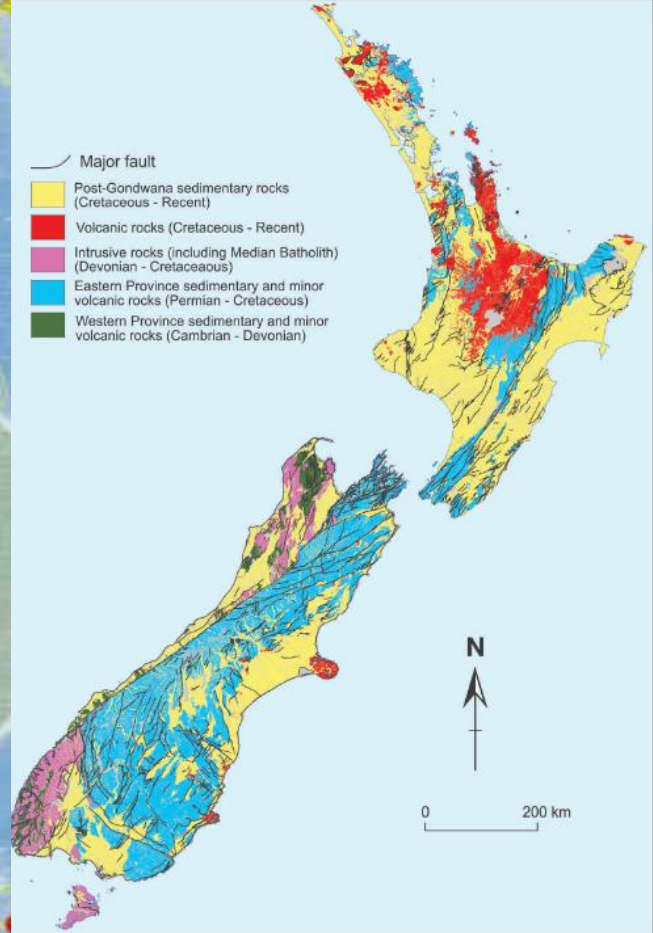
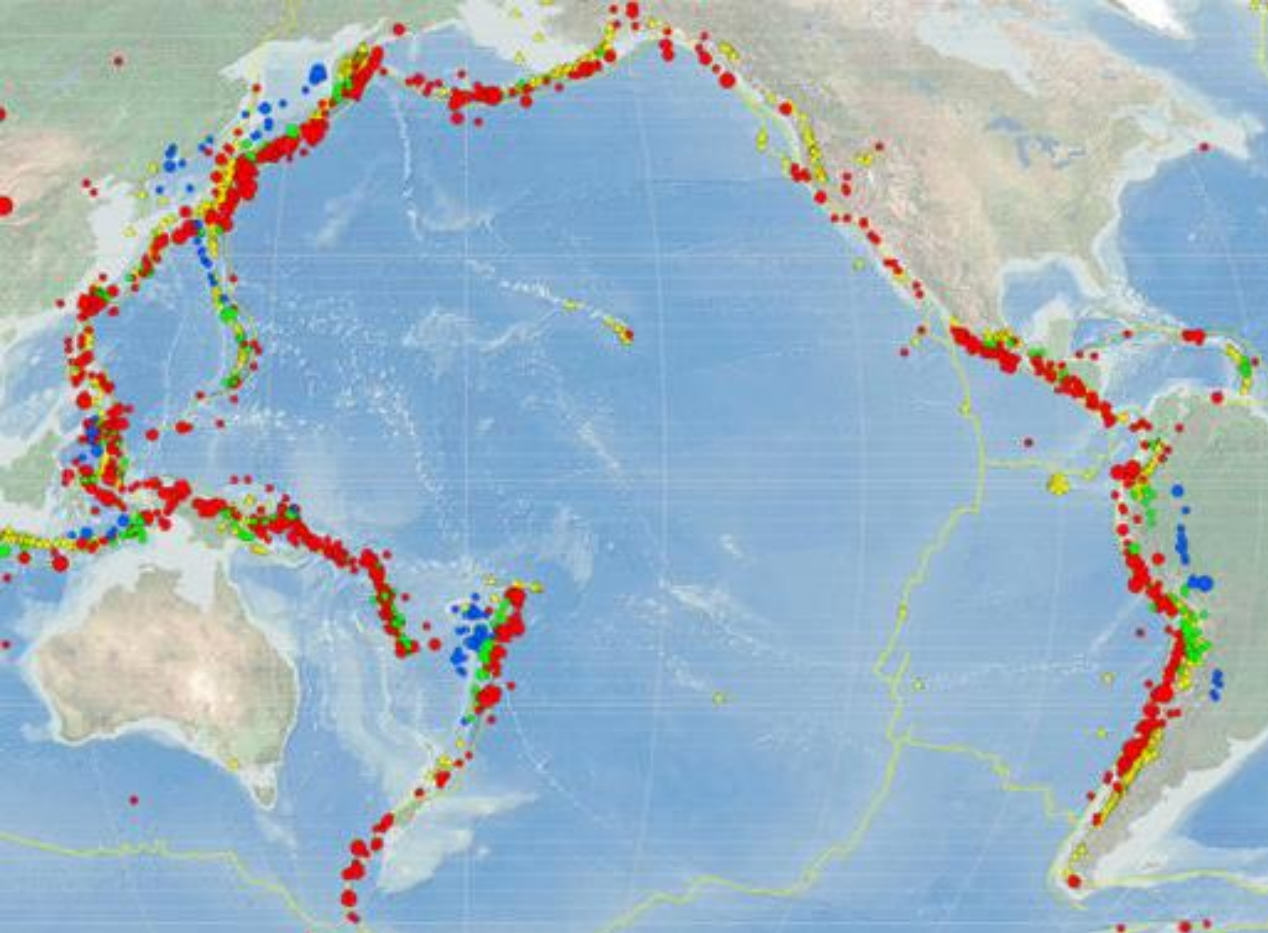
Micropiled Foundation.

Overcoming logistical problems with remote sites

Key objectives to reduce

- concrete
- large plant
- temporary access roads
- number of separate trades



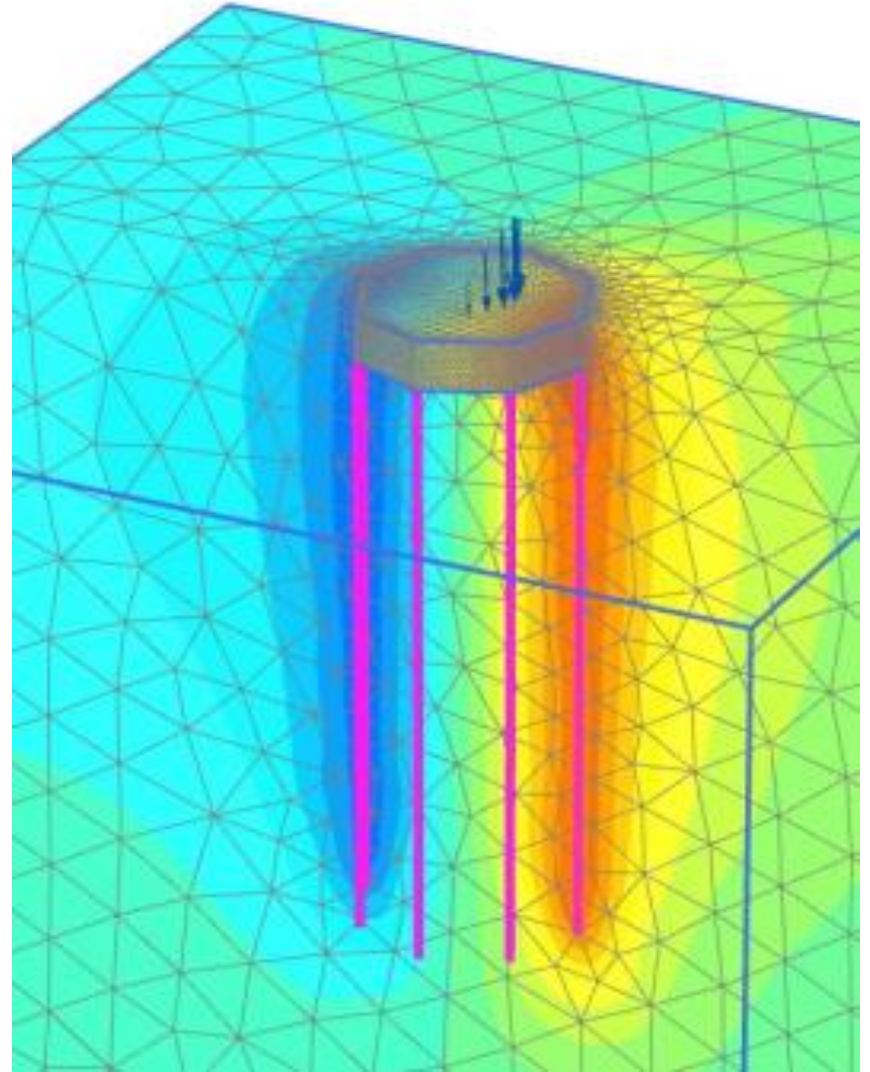
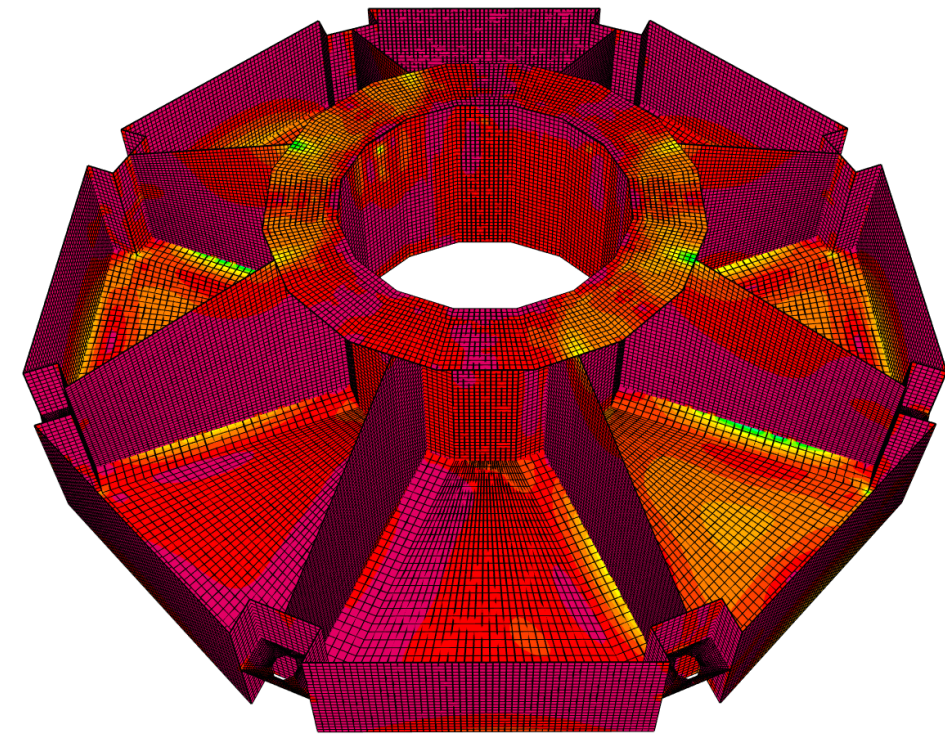


Investigations.



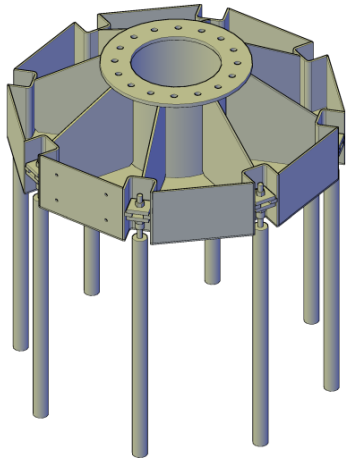
DESIGN.

3D FEA and SAP2000 Analysis

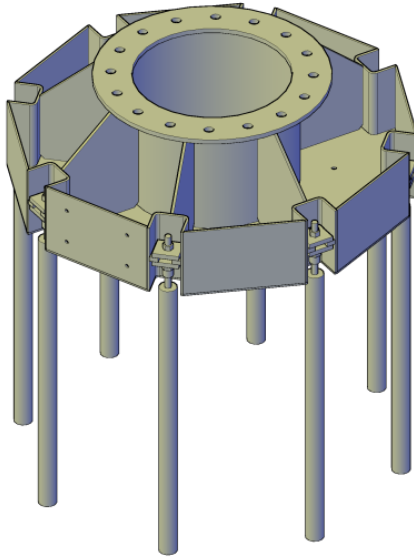


DESIGN.

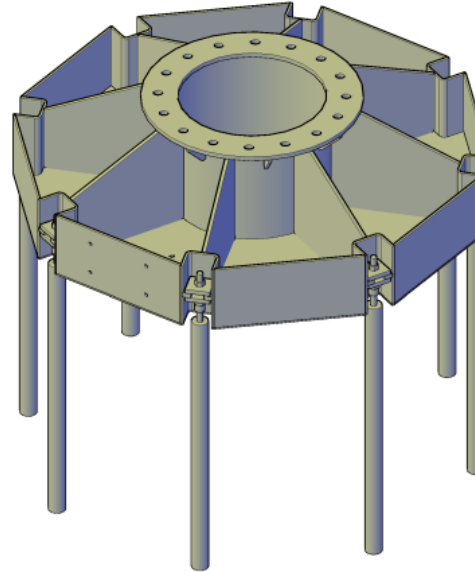
Portfolio of sizes



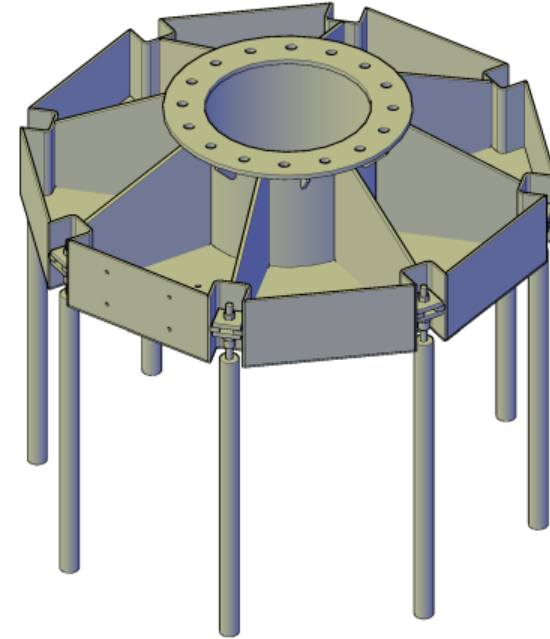
1.2m dia



1.6m dia



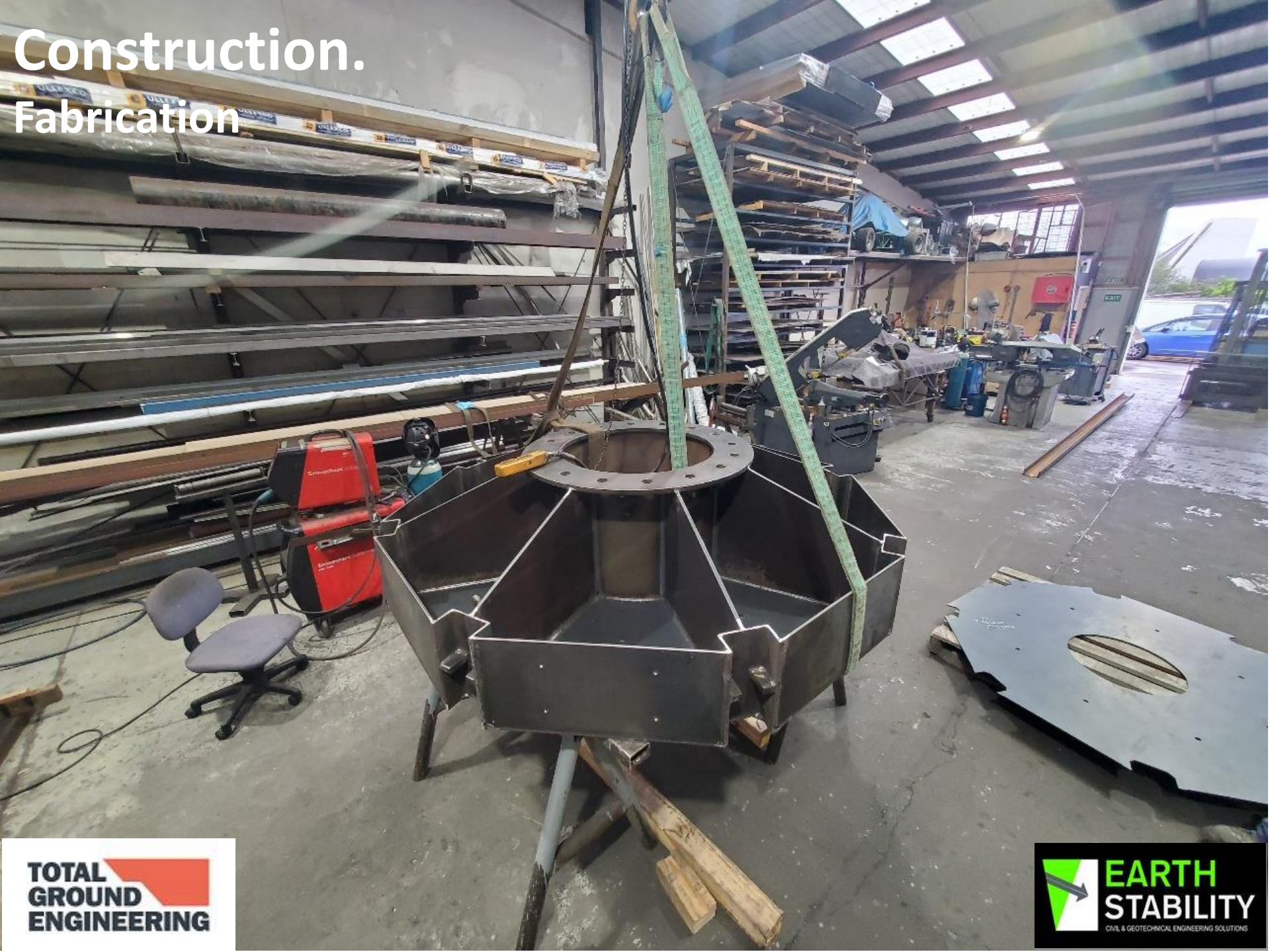
2.0m dia



2.2m dia

- Tower Heights - Up to 20m
- Wind speeds - Up to 75m/s (168mph)
- Soil conditions - Soft sediments to hard rock

Construction. Fabrication



Construction.

Site Access



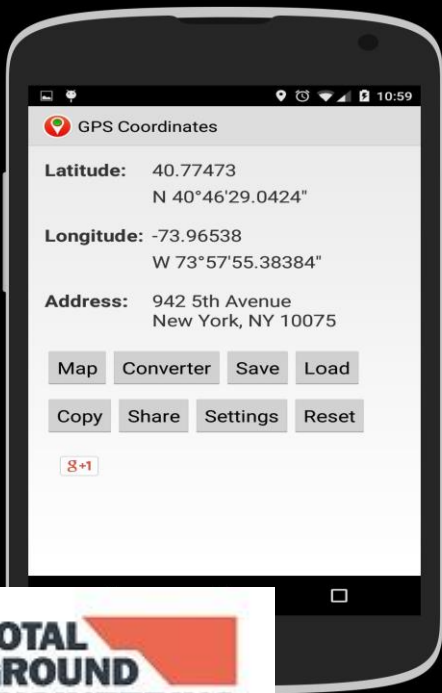
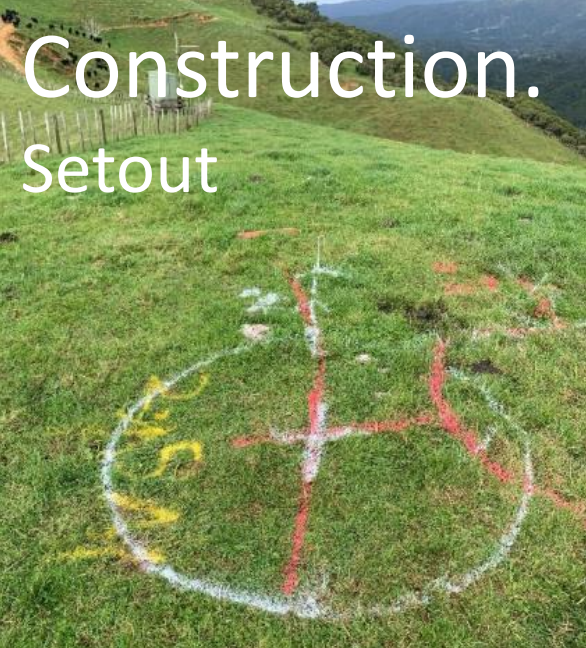
Construction. Portable Plant



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Construction. Setout



Construction: Micropiling



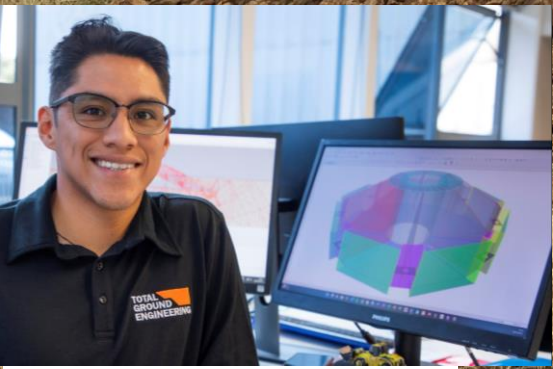
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Construction. Headframe installation



Teamwork.



Construction. Handover



Transforming lives through connection

