



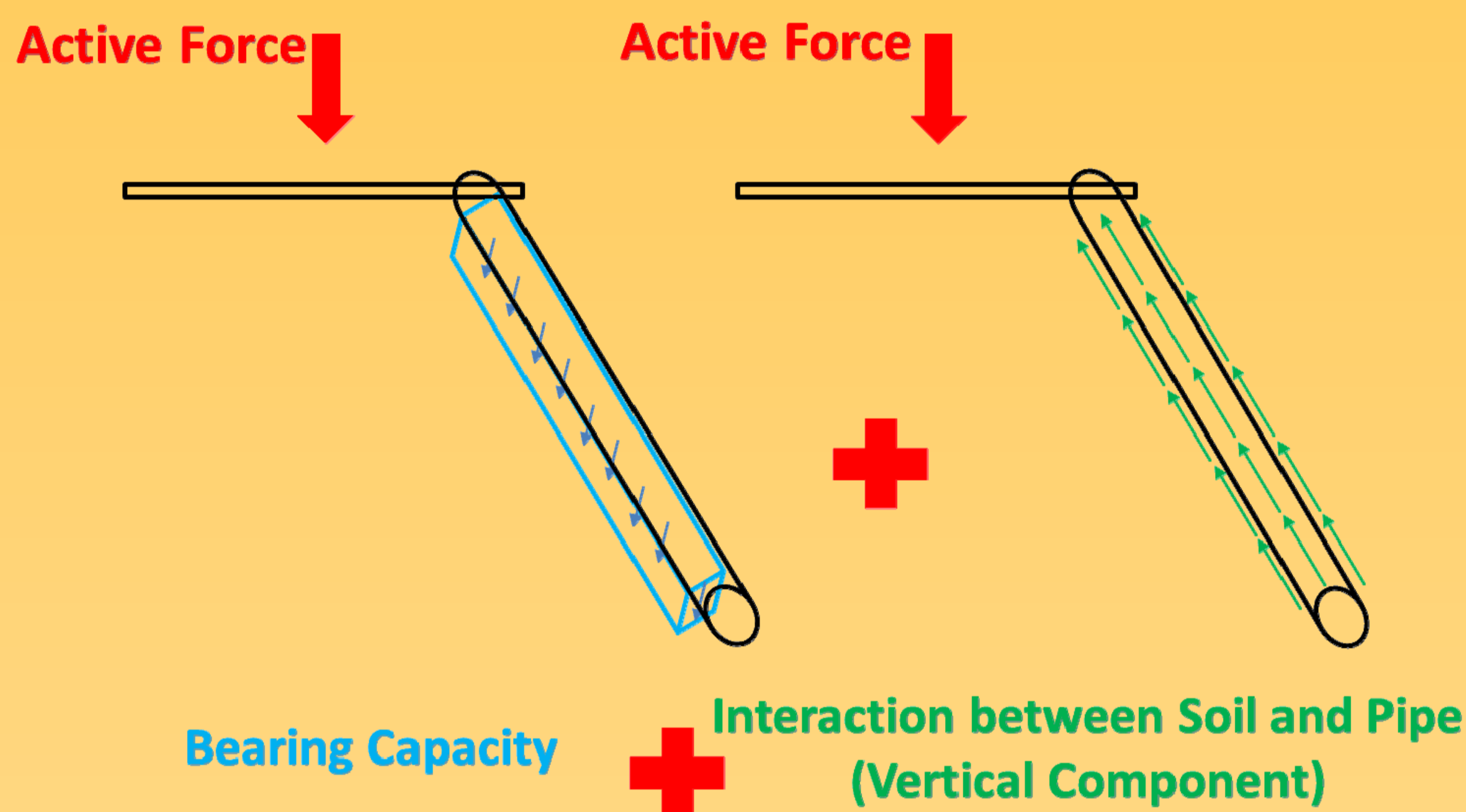
# Evaluation of Innovative Concrete-free Footing System for Residential Construction

Surefoot is an “all in one system”, where the unique shape and high strength steel combines to create a very efficient pile cap.

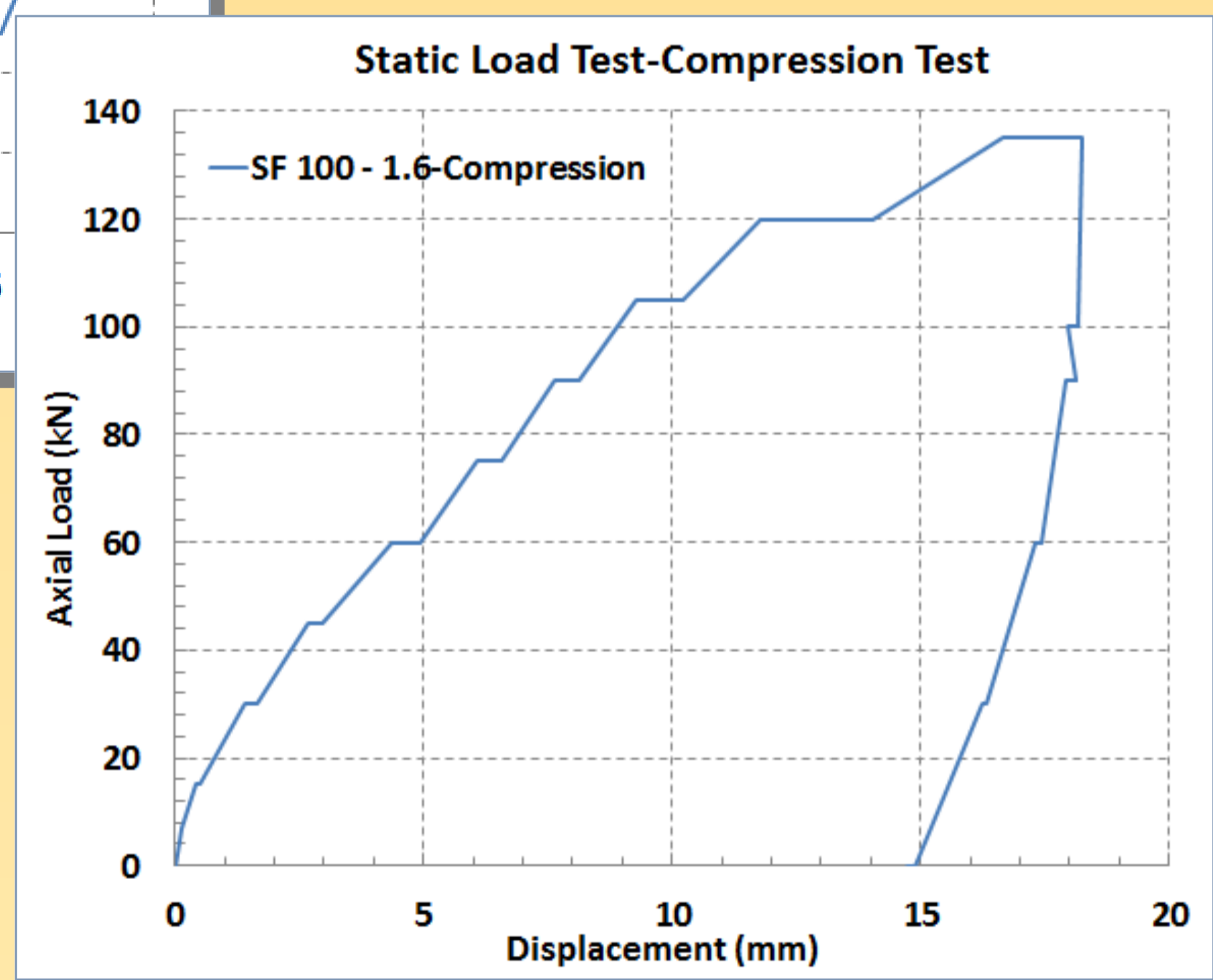
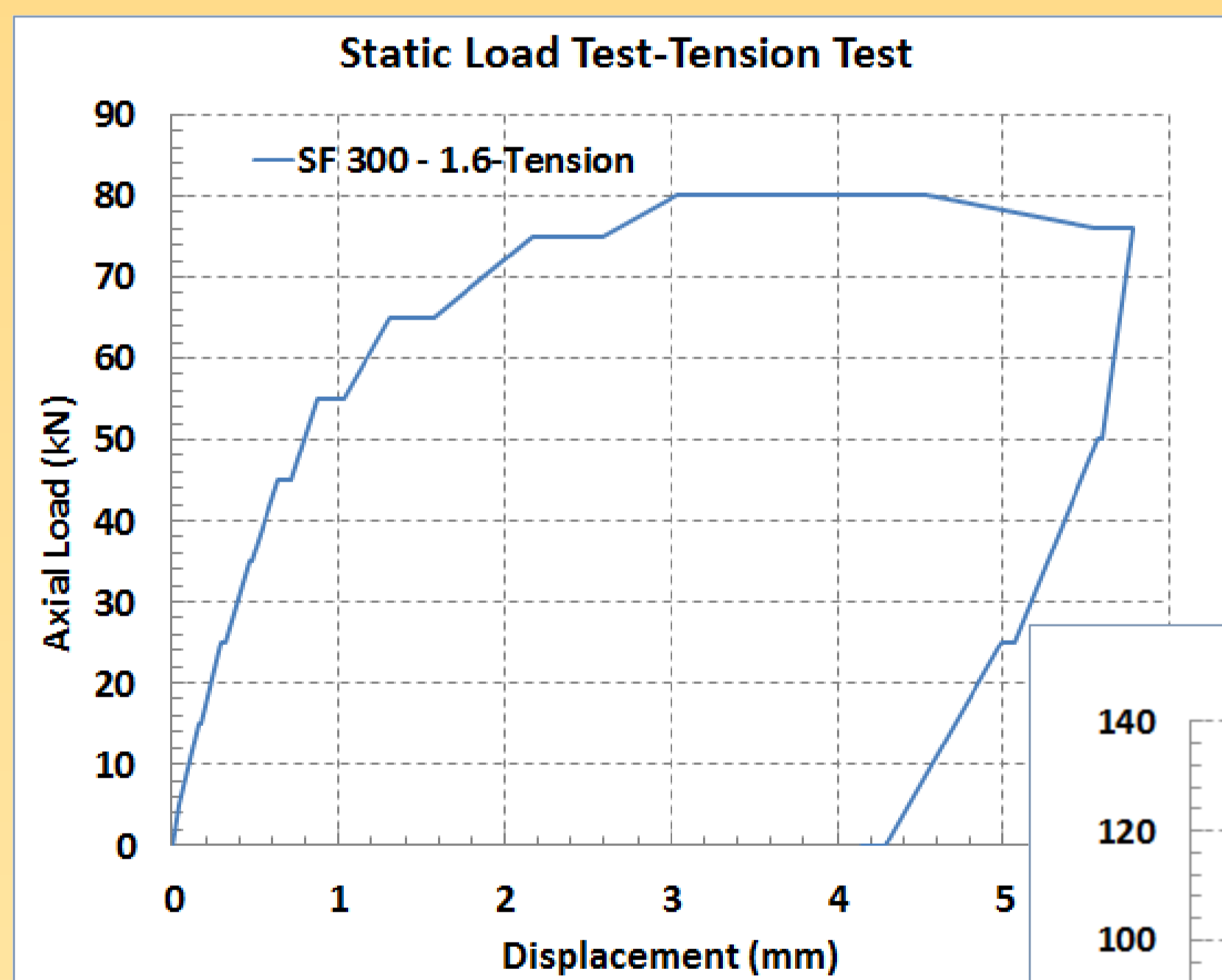
- Applicable in any penetrable soil such as sands, silts, clays, small gravels and even rock
- Applicable in all wind categories.
- Quick Installation of 10 to 30 minutes

Surefoots’ engineering principles:

- Shallow and deep foundation
- Combination of skin friction, bearing capacity and soil arching.



- **Analysis of field test results, review of design procedure and final report**



Project aims:

- Static load testing of Surefoot systems in the field
- Evaluation of compression, tension and Bending Capacities of Surefoot systems
- Review of design procedure

## Acknowledgement

Department of Economic Development, Jobs, Transport and Resources.

Innovation Voucher Program - Business R&D Voucher Application IVP-BRD-264A.1

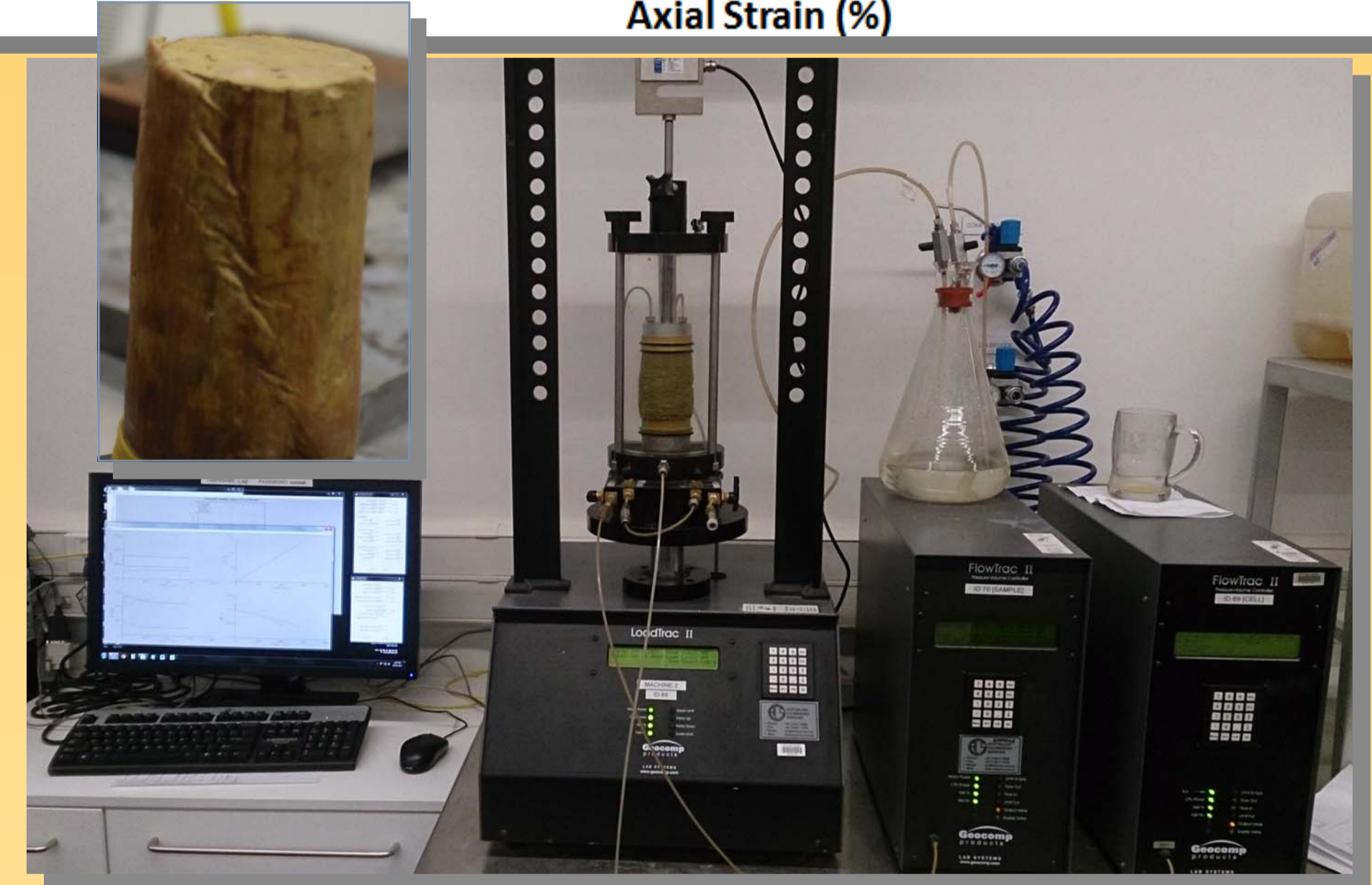
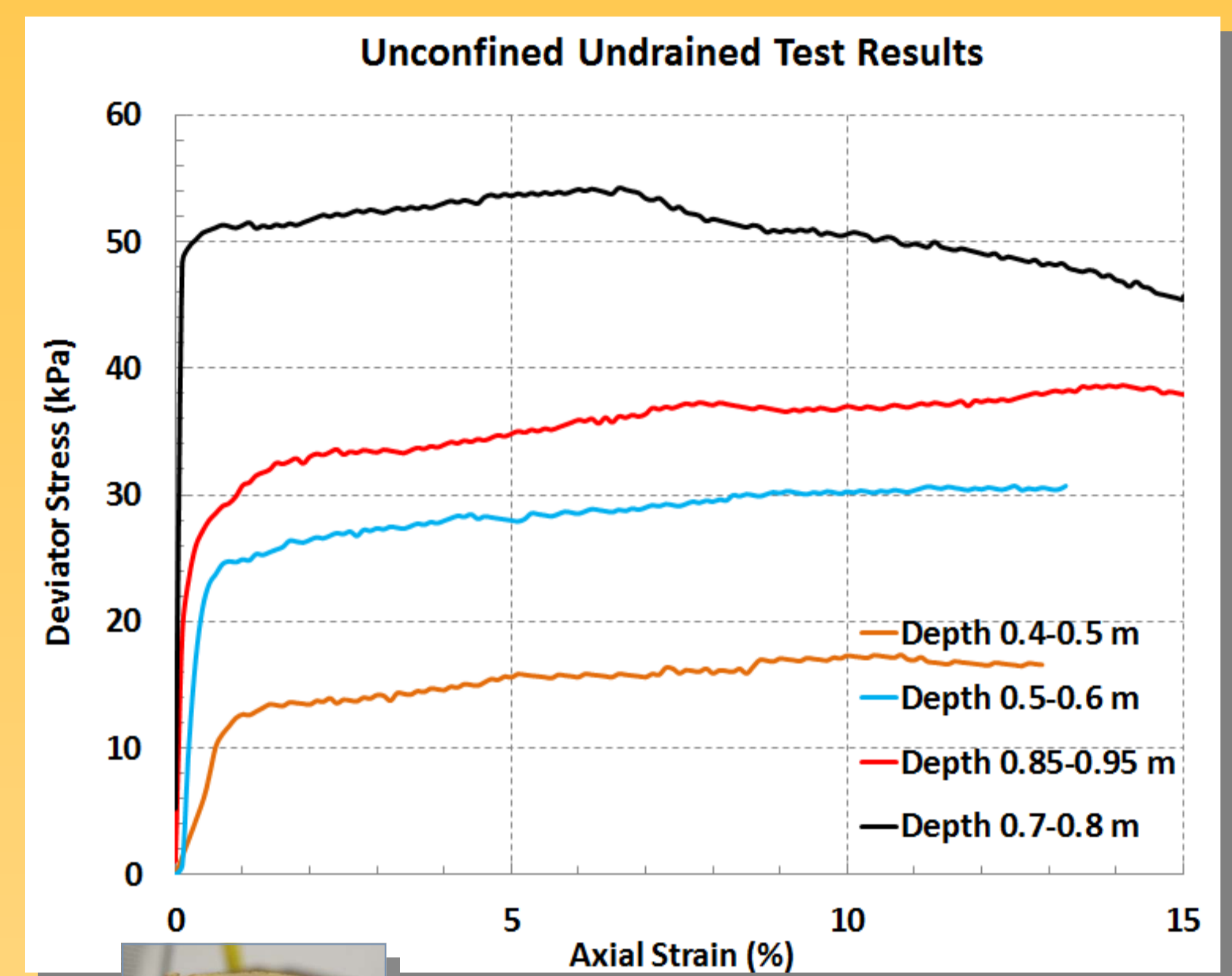


- **Site selection, design and development of testing system**



Melbourne Basaltic Tertiary clay in Braybrook; Victoria

- **Geotechnical Investigation**



- **Field testing**

