



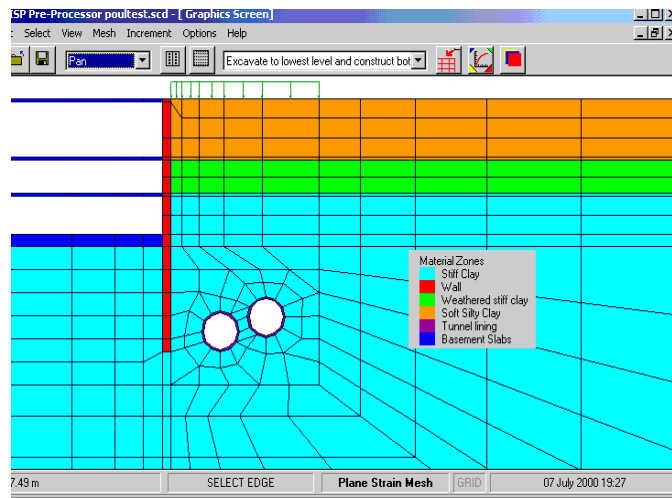
The CRISP Consortium consists of leading geotechnical experts from:

- SAGE Engineering Inc (USA)
- Cambridge University
- South Bank University
- Surrey University
- University of Birmingham
- City University
- Southampton University
- Napier University
- University of Bristol
- University College Swansea
- Glasgow University

SAGE-CRISP

A COMPLETE AND EFFICIENT FINITE ELEMENT SOLUTION FOR GEOTECHNICAL PROBLEMS

Developed and marketed by the CRISP Consortium
www.crispconsortium.com



Modeling effect of basement construction near existing tunnels

SAGE -CRISP is for the analysis of:

- Embankments
- Retaining structures
- Tunnels
- Pile Foundations
- Grouting
- Soil Nailing

SAGE-CRISP is used by over 300 companies and universities around the world.

FEATURES SUMMARY:

- Drained, Undrained and Fully Coupled Consolidation Analysis
- 3-D and 2-D (Plane strain and axi-symmetric) analysis
- Wide range of constitutive models, including Cam-Clay and Ealsto Plastic models
- Point-and-click selection CAD-style mesh creation
- Automatic structures and unstructured mesh generation
- Triangular, quadrilateral and hexagonal finite elements
- Structural Bar and Beam elements
- Joint interface (slip) element
- Graphical display of loads, fixities and excess pore pressure
- Customisable display options
- Automatic calculation of in-situ stresses
- Comprehensive graphing module
- Deformed mesh plots
- Bending moment plots
- Contour plots for a variety of quantities
- Yield status plots
- Automatic legend
- Formattable spreadsheet-style printed output

CRISP has been used in over 80 publications

The CRISP Consortium Ltd promoting education, research and development in geotechnical engineering



Primary Business Address

South Bank University
 202 Wandsworth Rd,
 London SW8 2JZ, UK
www.crispconsortium.com

Te1/Fax (+44) 020 7815 7189

Email: crisp@crispconsortium.com

Address for North America

SAGE CRISP USA
 c/o Geocognetics
 Suite 290
 9894 Bissonnet Street
 Houston, TX 77036, USA
 Te1 (1) 713 988 6635
 Email: Jackt@sage-usa.com

Support and Training

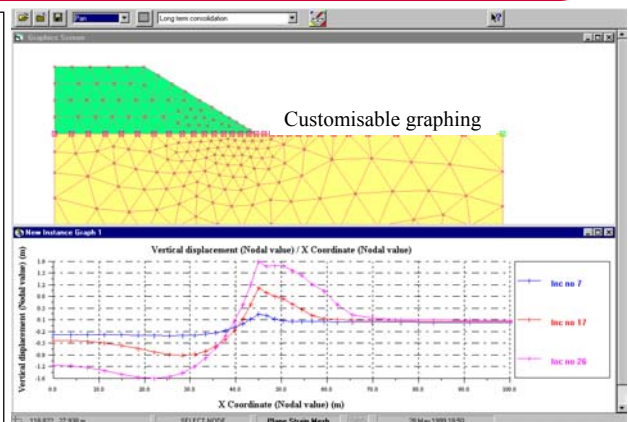
Our local dealers will provide first line support. CRISP Consortium staff will advise on technical problems as well as advise on modeling of geotechnical problems

A 3-day CRISP course is held annually in the UK in September. Overseas courses are also held in collaboration with local universities.

An internet discussion list is available for CRISP users.

SAGE-CRISP package includes:

- Hardware lock (dongle) allowing use of software for unlimited period.
- User manual and technical reference manual
- Example manual, with typical geotechnical problems



Price for perpetual license:

2-D Product \$5,000 3-D Bundle \$9,000

Prices include 12 months technical support.

Annual technical support available