

Capability Statement (Software Services)

Services

ABES directors have a long-standing tradition in development and application of structural engineering software. We have participated in the development of several software products, both in-house and as consultants for international software houses.

ABES have developed their own in-house software products to solve particular bridge engineering problems.

- ABES geoCon supports the geometry control of pre-cast segmental bridges and was successfully applied during the construction of six cantilever bridges on the Hunter Expressway.
- ABES crossWind is a software package to evaluate wind dynamic effects on bridges. This software was successfully applied in projects in Australia, Europe and India.

ABES cooperate with well-established software houses to localise software for the Australian and NZ market. We represent the German software house SOFiSTiK in Australia and New Zealand and provide sales, training and project support services for SOFiSTiK software.

ABES engineers have extensive experience in the application of high-end analysis software. We have a solid track record in solving complicated analysis problems and we are capable of turning analysis results into practical solutions.

ABES directors Andrew Wheeler and Martin Pircher both hold PhD degrees in structural engineering and both have long histories of computational mechanics. They have both worked as structural engineers as well as software developers. All work for clients in Australia and New Zealand will be closely supervised or performed personally by either Martin or Andrew in line with our ISO 9001 quality assurance policy.

ABES clients include design offices and public entities active in the fields of building engineering, bridge engineering or general structural engineering.