

SERVICE SHEET

STRUCTURAL ENGINEERING

ENERGY AND
RESOURCES

Fyfe's structural engineering services extend across all market sectors - civil infrastructure, oil and gas, mining and the building industry (e.g. commercial, residential, industrial, institutional) - for government, local government and private sector clients.

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From the smallest access ladder to the largest tower, no project is too small or large for Fyfe.

Fyfe is always willing to take on new challenges. With an emphasis on client satisfaction, we aim to provide an economically feasible result, on time.

Our consultation, design and documentation services for projects in the resource market cover everything from platforms, walkways and support structures for machinery and pipes to large storage bins, silos, conveyors and towers. We can undertake slope stability analyses and dam design including the effect of seepage through embankments.

Our structural team's experience in the resource sector over many years, includes working for mining companies and external consultants.

Fyfe structural engineers have worked on projects such as:

- mining camps
- exhaust stack tower retrofit
- 1000 tonne blending bin
- furnace buildings
- transportation and lifting structures (shipping and land)
- wharfs
- mill support structures
- pipe bridges
- product design and certification for balustrade retrofit
- analysis of slope stability for dams
- multi-level pipework at desal plants
- ammonium nitrate plant buildings.

Our design services to the resource market in both non-cyclonic and cyclonic regions include:

- footings and foundations including geotechnical/soil investigations
- concrete slabs on ground and pavements
- all structural elements including timber, steel (hot rolled and cold formed), aluminum, concrete (precast and in situ)
- retaining walls and revetments
- product testing and development
- inspection and reports on damaged structures
- certification of structures
- analysis of existing structures
- slope stability analysis
- engineering design software
- bushfire assessments.

