

Capability Statement



Quarry Solutions

Quarry Solutions (QS) is a specialised quarrying and material production company, forming part of the SEE Group. We've established ourselves as major project material delivery specialists with the capability and capacity to source, negotiate and legitimise quarry resources for major projects, especially where underlying markets are small.

We've owned and operated quarries under various contracting arrangements (leasing, royalty, direct ownership) since 2008. Our experienced in quarry and mobile production teams operate with a 'high-volume, high-quality' delivery approach.

QS currently owns and/or operates ten fixed quarries from North Star in the north-west of New South Wales through to Tenterfield and across to Woodburn on the east coast of New South Wales. Our fixed sites include the operation of Petersons Quarry in Coraki on behalf of Richmond Valley Council.

About SEE Group

SEE Group is a family-owned group of companies specialising in civil construction with a focus in four main areas – civil infrastructure, urban development, quarrying & materials processing and plant management. As an organisation we have built our experience across many successful projects with clients from a range of sectors.

SEE Group is comprised of four companies, SEE Civil, Quarry Solutions, Integrated Concrete Solutions and Civil Rent. Each SEE Group business exists to play a key role in delivering the civil construction, material and equipment needs of their clients, providing the best value-for-money solutions without compromising on safety, environmental, quality or community outcomes.

WH&S Overview

Built on safety resilience, we're achieving an excellent safety culture across our business. We've built this resilience and culture by:

- Engaging our workforce through effective consultation, collaboration and communication and encouraging employee-driven solutions to safety issues
- Understanding the reasons for success as well as learning from mistakes
- Recognising that managing safety is an ethical responsibility not a bureaucratic activity and that we're all responsible for working safely

We place our people at the centre of our risk management process. We talk with them, listen to them and ask them what they need to do their job safely.

Environmental Management

Our experienced team has a strong understanding of the environmental constraints and requirements of running successful quarrying operations. We work closely with our environmental quarry partners Groundworks to ensure all aspects of a quarry's development application and environmental requirements are strictly adhered to. QS has experience in obtaining and operating under environmental protection licences, held both in their own name and operating under licences held by others. We have an excellent environmental track record across our operations.

Fleet and equipment

QS differentiates itself from their competitors through their integrated approach to project delivery and self-performance model. SEE Group's internal plant and resourcing business Civil Rent, owns and operates a fleet of more than 250 pieces of modern construction machinery and equipment. Our specialist quarrying equipment includes:


- Various crushers and screens
- Loading equipment in various sizes fitted with the latest technology and in vehicle monitoring systems
- Water carts and haulage trucks

Civil Rent has a full-time team of plant specialists including heavy vehicle mechanics to ensure utilisation is maximised. If required we colocate mechanics with our quarry machinery.

Accreditations & Qualifications

- ISO Accredited Safety, Quality and Environmental management systems
- Member of the Institute of Quarrying Australia
- Mandated use of NATA accredited laboratories for testing
- Quarry Managers and Supervisors hold formal qualifications in quarrying or extractive industries

Primary Supplier - Woolgoolga to Ballina Pacific Highway Upgrade



Quarry Solutions has been delivering quarry materials for the Pacific Highway Upgrade Woolgoolga to Ballina since 2016. In April 2017, QS was engaged directly with the project's delivery partner under a major supply agreement to deliver around 75 per cent of the quarry materials for the 155 kilometre main alignment of the upgrade.

QS has delivered around 7 million tonnes of material produced to Roads & Maritime specification for the project., including the following materials:

- Fill and Upper Fill Zone
- SMZ, spill-through and verge
- Drainage rock, engineered rip rap and scour rock
- Foam bitumen blended road base
- Unbound road base
- Structural backfill and RE Wall backfill

To deliver this major project successfully, QS began investigating, securing and legitimising quarry sources as early as 2013 in the lead up to this major project. The QS team initiated several successful development application processes to increase quarrying capacity as well as obtaining EPLs and other authorisation associated with their sites.

The primary supply agreement for the project included transport of quarry product to each contractor and project working along the main alignment. As a result, QS personnel have built strong working relationships with all major contractors, subcontractors and suppliers in the area. At any given time, QS was working with up to ten individual contractors to deliver quarry materials in significant quantities and produced to RMS specifications.



**PETERSONS QUARRY
CORAKI**

Petersons Quarry is a hard rock quarry in Coraki NSW. Quarry Solutions operates Petersons quarry under a lease agreement with Richmond Valley Council. QS also obtained an adjacent quarry site, Coraki Quarry, to increase the overall capacity of the site to help supply the Woolgoolga to Ballina project. In 2018, Petersons and Coraki produced around 1.2 million tonnes of aggregate stock and sold around 1 million tonnes of this. QS invested heavily in plant to resource Petersons quarry during the delivery of W2B. Petersons & Coraki are generally a basalt flow of varying thickness typically 12-20m.



**WOODBURN QUARRY
WOODBURN**

QS sourced, purchased and legitimised a fixed quarry site at Woodburn to help service the major supply contract for Woolgoolga to Ballina and to supply the underlying local market. Production at Woodburn was split into two stages with the first stage processing around 1.4 million tonnes of R44 fill and rock products and stages 2 involving the processing of around 1 million tonnes of 3071 SMZ, verge and drainage rock. Plant configurations at Woodburn changed regularly and included a trommel, Metsco C160 jaw crusher, HP500 cone crusher and 20 x 8 HD screen. Woodburn is a sandstone resource.



**TIKITERE QUARRY
NORTH STAR**

The Tikitere fixed quarry site is Quarry Solutions newest quarry. QS identified and legitimised this quarry source with plans to supply ballast and other construction materials to the Inland Rail project. The site is also being used to produce foamed bitumen for the Newell Highway Mungieback Creek to Boggabilla project.

QS undertook significant community engagement and environmental approvals while working through the development application process with Gwydir Council.