



Alternative energy

AGR FIELD OPERATIONS

We offer a wide range of products and services needed for managing the operation, technical support, inspection, and maintenance of oil & gas fields and associated infrastructures through the entire life of the field. We also provide operations and maintenance (O&M) personnel and full technical and project management support teams.

ALTERNATIVE ENERGY

AGR Field Operations has specialised in providing technology transfer and project management expertise to clients implementing alternate energy projects. Focus has been to deliver low cost, fit for purpose solutions. Our office in Brisbane is the centre of excellence for alternative energy. With people across our operations in Australia, and internationally, we have a technically strong group of employees who are passionate about the opportunities in alternative energy and enjoy working with clients to help them achieve their goals.

GEOSEQUESTRATION

Geosequestration (aka geological carbon storage) is one of the main methods for reducing carbon dioxide emissions from coal fired electricity generation, as well as a means of reducing carbon dioxide emissions from LNG fields and gas fired electricity generation.

Through our early involvement with key projects we have established ourselves as pre-eminent onshore geosequestration consultants and contractors in the exploration and appraisal stage. Additional operations experience in geosequestration comes from our international team of engineers.

Our track record includes:

- Prime field contractor : ZeroGen IGCC-CCS Project - Central Queensland, Australia
- Prime field contractor : Otway Basin Pilot Project - Victoria, Australia

WAVE ENERGY

AGR Field Operations offers expertise in project management, O&M and subsea services to wave energy companies. Through our project management expertise we can help integrate all the disciplines involved in wave energy and provide value engineering services to help manage the cost of projects and technology.

GEOTHERMAL SYSTEMS

Geothermal systems are going through a phase of demonstrating technical and commercial viability. This can be done through a conventional or an enhanced method, and AGR has capability in both areas. We bring expertise in engineering, well design, project management and drilling management to provide cost effective outcomes for project proponents. We have worked on several projects in Australia providing assistance in:

- Well design
- Rig specifications
- Project management



COAL MINE DEGASIFICATION

For many clients coal mine degasification is not part of their core expertise, so we bring discipline in the design and project management of mine degasification through our existing quality and safety systems, as well as our facilities engineering expertise. Our track record includes a major mine in the Hunter Valley region of New South Wales.

COAL SEAM GAS COMMERCIALIZATION

We bring our expertise and systems to the commercialization of coal seam gas to help project economics by managing initial field development costs and optimizing well completions. This is done so that long term production and economics are understood and controlled.

To aid the commercialisation of coal seam gas projects, we offer services along the whole project life cycle value chain, from upstream exploration, drilling management, appraisal, facilities engineering, regulatory interface, production, operations and maintenance, and infrastructure to downstream activities such as boutique LNG facilities and end user storage.

ALTERNATIVE ENERGY CONSULTING

We offer concept development, concept engineering, technical consulting, project management and economic modelling/evaluations. Our areas of expertise includes:

- HSEQ auditing and services
- Entire project life cycle management and services
- Geosequestration
- Enhanced geothermal systems
- Wave energy
- Coal mine degasification
- Coal seam gas commercialization
- Underground coal gasification (UCG)
- Remote gas commercialisation
- Underground gas storage and peaking
- Energy audits
- Alternate fuels such as LNG, CNG, synfuels, catalytic gas to liquids and coal to liquids, and ethanol



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