

S1 Resources

Carbon Management

S1 Consulting & Software Services

- Delivering carbon, energy and water management solutions

How do you manage your carbon, energy and water strategies?

The Challenge

There is a strong desire for organisations to lead society in demonstrating cutting edge strategies to manage the use of resources. This not only supports their commitment to sustainability and thought leadership, but can also provide a compelling example to the commercial marketplace.

Many organisations face unique challenges outside of their core competencies when preparing a consolidated resources footprint, managing that footprint over time and targeting abatements and offset investments options within a complicated structure that is comprised of various operating groups, facilities and stakeholders.

Organisations with multiple sites shared by multiple operating units or cost centres have significant complexity in terms of distributing the “responsibility” for resources. For any given site, there can be many complex relationships between buildings, meters, vehicles and operating area when accounting for energy use, greenhouse gas emissions and water usage. There are also increasingly stringent external reporting requirements to regulatory bodies (many with specific and unique formats – including the National Greenhouse & Energy Reporting Act) and a range of options facing organisations when considering reduction strategies and investment in offsets and abatements.

Our Solution

S1 Consulting works with organisations across the resources sector to help them **define** their approach to the management of carbon and related resources, to **manage** the necessary information, and to assist in developing and delivering **strategies** to effectively deliver against organisational goals and objectives.

Definition

We help you to understand and answer the following questions:

- ⇒ What are the exposures for your organisation relating to carbon and associated resources?
- ⇒ How can the management of resources such as carbon, energy, water and waste better align with your organisation’s business strategy, contribute to more sustainable resource use and reduce costs?
- ⇒ How do you achieve buy-in and promote understanding amongst business units, key organisational groups and staff?

Once these threshold areas are considered, we work with your key staff to develop an implementation plan that will allow you to progressively work through the necessary steps to ensure compliance with regulatory requirements, organisational objectives, cost reductions and identified sustainability and desired investment outcomes.

Information Management

S1 Consulting and CARBONcontrol can provide and help you implement an end-to-end environmental solution for carbon, energy, water and waste that allows medium to large organisations to track, monitor and manage all of their carbon, water and energy usage and waste production, including products, plant, facilities, fleet and travel. We can help you track your costs and usage, establish strategies and targets for carbon, energy, water and waste reduction, track progress in real time, and present a balance sheet to demonstrate annual improvements and progress towards targets and any consequent cost reductions.

» The S1 Consulting Carbon management advantage:

- ✓ Define your carbon exposure
- ✓ Track & report your carbon footprint
- ✓ Monitor achievements & credits against reduction strategies
- ✓ Plan and manage investments in off-sets and abatements
- ✓ Compliant to ISO, NGERs & GHG protocols & international standards
- ✓ Automated data import, integration with other systems & reporting
- ✓ Online / web-based & configurable to customer requirements
- ✓ Dashboard for real time tracking of emissions & offsets

One of the key benefits of the CARBONcontrol system is that it supports the integrated collation of data from a variety of other corporate systems and smart meters, and the automated import and recognition of this data in the system. Due to the flexibility of the framework, data interchange and interfaces can be deployed on a point-to-point basis to capture data from legacy and third-party systems to avoid additional data-capture or input burdens. Data input portals can also be set up for third-parties.

Once deployed, the CARBONcontrol system allows a real-time, up-to-date mechanism for the review, analysis, targeting and reporting of an organisation's carbon, energy, water and waste emissions, abatement methodology and offset investment performance (with compliance to international and national standards and protocols).

Strategy Development and Implementation

Following from the definition and information management phases, we work with you to develop and implement a consolidated strategy to manage your carbon and other resource footprints in line with your organisation's business goals and requirements.

Through this process, we will help you develop carbon reduction targets, the required actions to achieve these targets, and an investment strategy for carbon offsets and abatement measures. We can work with you to identify, assess the feasibility and manage your involvement in a range of offset and abatement investments, including forestry and other agribusiness resource projects. We also work with you to establish and manage ongoing accounting and reporting mechanisms.

Our Services

S1 Consulting has extensive expertise in the definition, selection, development, implementation and support of a wide range of resource sector solutions, information applications, business processes, system integration and project feasibility analysis.

We work with CARBONcontrol to design, develop and support technical solutions to business problems and can provide an entity level carbon/energy and water accounting solution modelled on the GHG Protocol for Entity Level Emissions Reporting, the International Standard ISO14064 and the National Greenhouse and Energy Reporting Act 2007.

In developing these solutions, S1 Consulting work with clients to:

- ⇒ Conduct business and requirements analysis
- ⇒ Design associated KPIs, business process improvements, technology solutions and change management
- ⇒ Integrate, configure and commission resource information systems
- ⇒ Set up reference data, load historical data and train users and system administrators
- ⇒ Project manage the implementation of carbon and other resource reduction projects and investments
- ⇒ Provide expertise in targeting, foot-printing and abatement planning, and
- ⇒ Develop and manage carbon and other resource investment strategies

Our Experience

S1 Consulting and CARBONcontrol have a unique vantage point in being able to provide resource sector project management, investment and technology solutions, having worked with a broad range of organisations throughout Australia and across the region. We have a team of experienced technical and management specialists with extensive knowledge in the areas of enterprise-scale systems development and implementation, web-deployed technologies and specific business specialisations in environmental management, sustainability, agribusiness investment, carbon accounting and energy auditing.

S1 Consulting and CARBONcontrol have specialised in providing independent professional resource project management and IT services to a diverse range of Australian companies and institutions since 2003. We have assisted a broad cross section of organisations in the definition, selection, implementation and support of information management systems. Our clients include Leighton Holdings, Santos, Craig and Rhodes, Origin Energy, Queensland Health, Tree Crop Technologies, Monash University, the University of Sydney, La Trobe University, the University of Melbourne and Edith Cowan University.

The CARBONcontrol system has most recently been implemented within a large Australian university, equipping us with direct, current operational experience to confidently deliver a quality solution within a complex organisation with multiple operating areas. Through this direct experience, we have uncovered a number of challenges specific to a diverse and geographically dispersed operating environment and have devised solutions within the configuration of the CARBONcontrol system. This has included the addition of new functionality, including water inventory and invoice handling, integration/mapping of invoices into contributions, and automation around invoices and data upload/import.

The combined experience and expertise of S1 Consulting and CARBONcontrol gives us a unique capability to service diversified operating and service organisations across various sectors. We bring a track record of delivery, along with a deep understanding of the challenges faced by organisations from our many years providing information, resource and carbon management solutions.

Like to know more? Contact the team of experts at S1 Consulting to discuss your requirements.

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