

S1 Resources

Carbon Management

S1 Consulting & Software Services

- Delivering carbon, energy and water information management

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 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 and funding bodies (many with specific and unique formats – including the National Greenhouse & Energy Reporting Act).

Our Solution

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

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 and water abatement methodology and performance (with compliance to international and national standards and protocols).

Our Services

S1 Consulting has extensive domain expertise in the definition, selection, implementation, development and support of a wide range of mission critical software applications, new business processes, bespoke software developments and system integration.

» *The S1 Consulting and CARBONcontrol advantage:*

- ✓ Track & report carbon footprint
- ✓ Monitor achievements & credits against reduction strategies
- ✓ 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

CARBONcontrol designs, develops and supports technical solutions to business problems and has developed 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 Energy Reporting Act.

S1 Consulting work with CARBONcontrol to provide this unique and highly specialised environmental compliance solution for carbon, energy and water along with services to:

- ⇒ Conduct business and requirements analysis sessions
- ⇒ Design associated KPIs, business process improvements, technology solutions and change management
- ⇒ Integrate and configure the system
- ⇒ Install and commission the technology
- ⇒ Set up reference data and load historical data
- ⇒ Train users and system administrators in the use and management of the system
- ⇒ Project Manage the deployment
- ⇒ Provide expertise in targeting, footprinting and abatement planning, and
- ⇒ Provide opportunities for integration within an organisation's learning environment

Our Experience

S1 Consulting and CARBONcontrol have a unique vantage point in being able to provide 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 and energy auditing.

S1 Consulting and CARBONcontrol have specialised in providing independent professional IT and project management services to a diverse range of the 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, Queensland Health, 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 an 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 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 and environmental management solutions.

Contribution to Change Process and Staff Education

Integral to our deployment within companies and institutions is the opportunity to utilise the system to contribute to the change management and education experience for an organisation's staff. Staff within operational units and business support areas (such as finance, procurement or corporate sustainability) can be provided with exclusive online access to the CARBONcontrol system and associated online learning content. This provides insight to the components of carbon and sustainability accounting, and exposure to the impacts of emissions reporting legislation and policy development options (in an area of high public interest and debate). This is an example of one of the many ways we can help you tailor the system to help effect change within your organisation and to effectively integrate carbon management with your organisation's key programs.

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

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