



CARBON MANAGERS

Powered by CARBONcontrol™



Brought to you by CARBONcontrol...

...what's your Carbon Footprint?



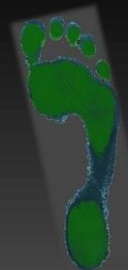
CARBON MANAGERS

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What is the Carbon Managers Solution ?



It is a web-based Carbon Accounting system designed specifically for the purposes of recording an organisation's entire Carbon Footprint.




Carbon Managers powered by CARBONcontrol solution is an enterprise-scale solution designed for distributed use across a large network by many stakeholders. It is also designed to streamline the collation of data by interfacing with other corporate systems such as finance, ERP, etc.



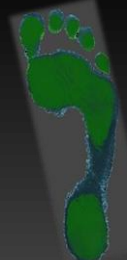
CARBON MANAGERS

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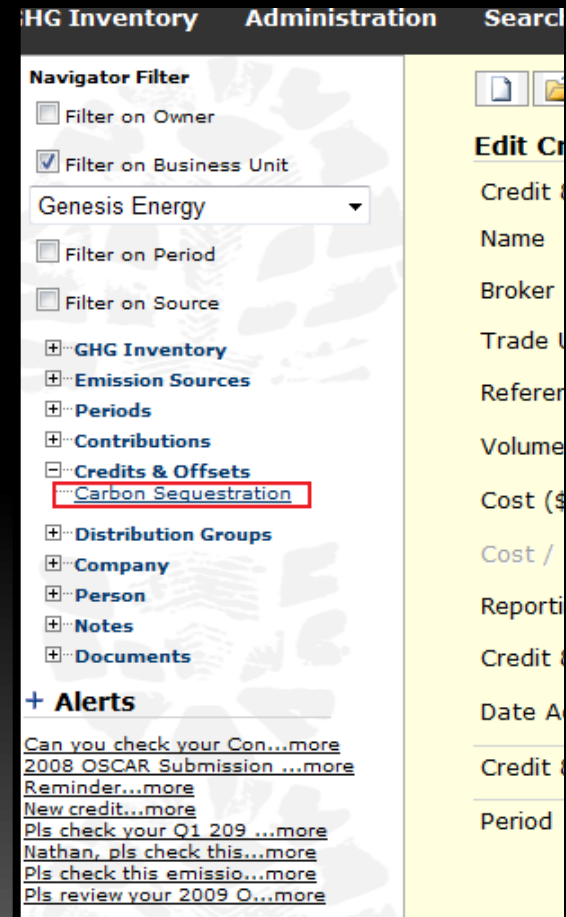
How does it Work?



The system allows you to manage emissions, credits and other offsets, reporting periods, GHG inventories, etc for your entire organisation. It includes tools to manage business units, credit brokers and providers, staff, etc.



It is an internet-deployed solution that includes webservice to allow the solution to be integrated with your corporate suite of applications as well as external systems, such as credit brokerages, etc.



The screenshot displays the CARBON MANAGERS web application interface. The top navigation bar includes "GHG Inventory", "Administration", and "Search". The main content area is divided into two panels. The left panel, titled "Navigator Filter", contains several filter options: "Filter on Owner" (unchecked), "Filter on Business Unit" (checked), "Filter on Period" (unchecked), and "Filter on Source" (unchecked). Below these filters is a dropdown menu currently set to "Genesis Energy". A tree view of the application's structure is shown below the filters, with "Carbon Sequestration" highlighted in a red box. The right panel, titled "Edit Cr...", shows a list of data fields including "Credit", "Name", "Broker", "Trade U", "Referen", "Volume", "Cost (\$", "Cost /", "Reporti", "Credit", "Date A", "Credit", and "Period". Below the list is an "Alerts" section with several links: "Can you check your Con...more", "2008 OSCAR Submission ...more", "Reminder...more", "New credit...more", "Pls check your Q1 209 ...more", "Nathan, pls check this...more", "Pls check this emissio...more", and "Pls review your 2009 O...more".

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What are it's key Features?

Web-based

Configurable to meet your specific needs

GHG / ISO compliance

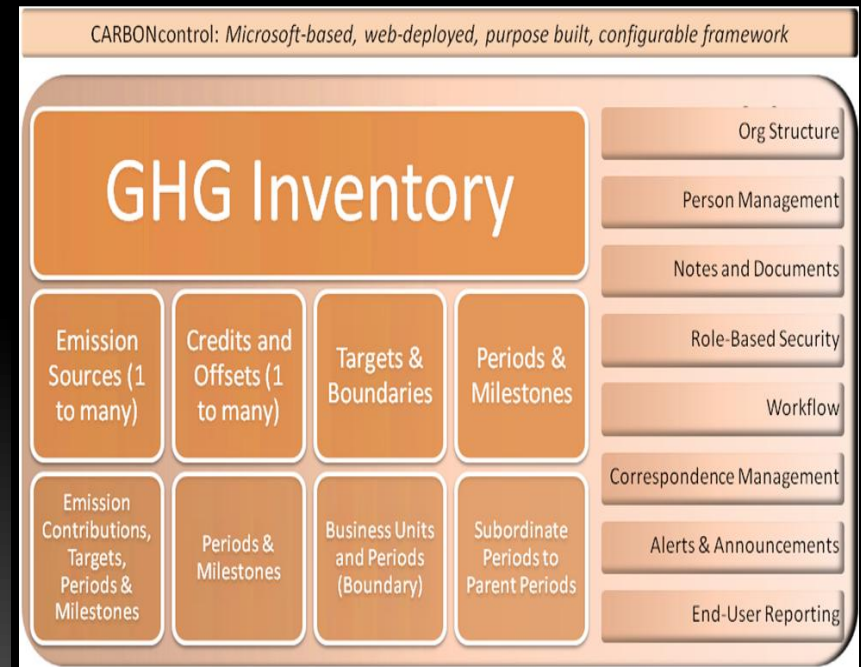
Reports to OSCAR

Integrates with other systems

Enterprise scale

User configurable reporting

Fully maintained






CARBON MANAGERS

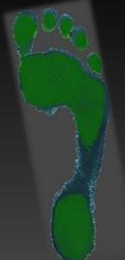
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What are the Benefits?



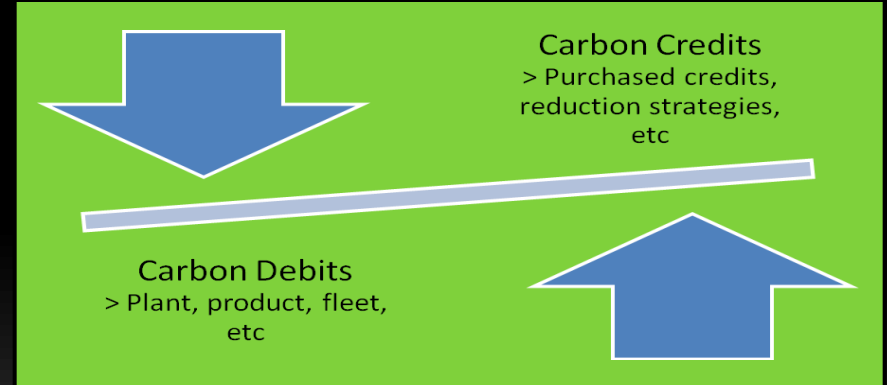
A reduction in work effort due to a streamlined process for the capture and collation of pertinent data

Cost-savings due to greater visibility and scrutiny on resource inputs



Improved stakeholder perceptions due to a demonstrable system for improving an organisation's green-house gas inventory

Satisfy auditory and regulatory obligations





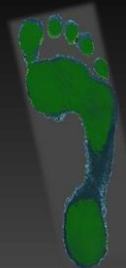
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Does it support Integration?



It employs customisable webservice for real-time push and pull integration with other corporate applications for the immediate synchronisation and population of data



We can also employ flat-file and XML-based batch data interchange, ODBC data exchange, etc





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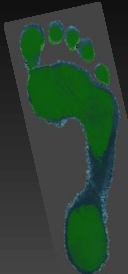
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What Technology does it use?



Carbon Managers powered by CARBONcontrol is a .NET/SQL based windows application that can be installed onsite or hosted for you

The solution employs a smart interface and database layer that allows substantial customisation



Includes the MS business intelligence development studio for sophisticated end user reporting



Built to work the way your organisation does >>>

The screenshot shows the CARBON MANAGERS dashboard, powered by CARBONcontrol. The interface includes a navigation menu on the left with options like GHG Inventory, Administration, Search, System, Report, Logout, and Help. The main content area features a 'CARBONcontrol Dashboard' with two primary charts: 'Summary Emissions By Category' (a pie chart) and 'Carnavon Emissions' (a 3D bar chart). The 'Carnavon Emissions' chart shows values for SF6 Leakage (1.20), Gas (116.34), Lube Oil (28,805.82), and Diesel (3,480.27). Below the charts is an 'Announcements' section with a welcome message and metadata.

CARBON MANAGERS

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Welcome Yianni Loupis

Hot List Google Go Quick Search Search

GHG Inventory Administration Search System Report Logout Help

Navigator Filter

- Filter on Owner
- Filter on Business Unit
- Filter on Period
- Filter on Source
- GHG Inventory
- Emission Sources
- Periods
- Contributions
- Credits & Offsets
- Distribution Groups
- Company
- Person
- Notes
- Documents

+ Alerts

[Can you check your Con...more](#)
[2008 OSCAR Submission ...more](#)

+ Distribution Group

Calendar

CARBONcontrol Dashboard

Summary Emissions By Category

Category	Value
Diesel ...	3,480.27
Lube O...	28,805.82
Gas ...	116.34
SF6 Le...	1.20
Carbon...	
Biodies...	
LPG U...	
Diesel...	
Vehicle...	

Carnavon Emissions

Category	Value
SF6 Leakage	1.20
Gas	116.34
Lube Oil	28,805.82
Diesel	3,480.27

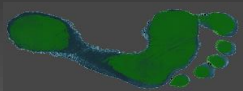
Announcements

Welcome to CARBONcontrol!

CARBONcontrol...a web-deployed solution designed specifically for the collation, management, tracking and reporting of carbon emissions and credits. What's your Carbon Footprint?

Author: Nick Stanley
Starts: 21/01/2009
Expires: 29/04/2010

CARBONcontrol™ | © 2008 Ca



The system starts with a dashboard for a real-time, running snap-shot of the entire organisation's footprint...this can also be filtered by owner, business unit, period, etc.

Uses the ISO and GHG Protocol standards for reporting >>>

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Welcome Yianni Loupis | Hot List | Google | Go | Quick Search | Search Pers

GHG Inventory Administration Search System Report Logout Help

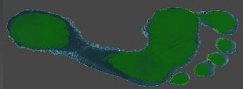
Navigator Filter

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- GHG Inventory
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- + Alerts
 - [Can you check your Con...more](#)
 - [2008 OSCAR Submission ...more](#)
- + Distribution Group
- ▶ Calendar

Emission Source

Total Volume for Current Period	3,840.00 litre (l)
Total Volume of Emissions for Current Period	10.27 CO2e
Total \$ for Current Period	\$0.00
Total Energy Used	148.22 GJ
Emission Source ID	108
Emission Family ID	98
Base Name	Diesel Oil Consumption
Name	Diesel Oil QHHBH 2008
Emission Family Category	Scope 1
Emission Family Sub-Category	Stationary Energy NonTrans
Description	
Reporting Period	QH 2008
Go To Period	
Closed	<input type="checkbox"/>
Emission Family Usage Unit	litre (l)
Contribution Constant / Unit	Diesel Oil Stationary Engines/litre (l)
Value	0.002675752
\$ / Unit	0.00
Business Unit	Hervey Bay Hospital
Owner	Pat Macguire

An emission source is shown above, and there are tools to manage inventories, offsets, contributions (via the system or employee portal), reporting periods, org structure, etc.



Offers sophisticated functionality that is CONFIGURABLE >>>

WELCOME

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powered by CARBONcontrol

Welcome Yianni Loupis

Hot List Google Go Quick Search Search Person by S

GHG Inventory Administration Search System Report Logout Help

GHG Inventory Emissions (46) Credits and Offsets (0) Boundary Distribution Groups (0) Contributions (33) Notes and Documents Targets

Select the Emission Sources

Emission Sources Filter

Linked Emission Sources

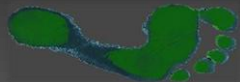
	Name	Business Unit	Owner	Period	Input Volume	CO2	Energy
Page 1 of 3				1 2 3			
✂	Electricity Use	Horizon Power - Office A	Geoff Park	2009	20,000.00 kilowatt hour (kWh)	14.00	0.00 GJ
✂	Vehicle Biodiesel	Horizon Power - Office A	Geoff Park	2009	0.10 kilolitres (kl)	0.01	3.46 GJ
✂	Vehicle Diesel Use	Horizon Power - Office A	Geoff Park	2009	20.00 kilolitres (kl)	0.05	0.77 GJ
✂	Vehicle Petrol Use	Horizon Power - Office A	Geoff Park	2009	5.00 kilolitres (kl)	0.01	0.19 GJ
✂	Vehicle LPG use	Horizon Power - Office A	Geoff Park	2009	1.00 kilolitres (kl)	1.59	26.20 GJ
✂	Diesel Consumption	Horizon Power - Carnarvon PS	Geoff Park	2009	1,297.30 kilolitres (kl)	3,480.27	50,075.78 GJ
✂	Lube Oil Burnt	Horizon Power - Carnarvon PS	Geoff Park	2009	49.00 kilolitres (kl)	116.34	1,680.70 GJ
✂	SF6 Leakage	Horizon Power - Carnarvon PS	Geoff Park	2009	10.00 kilogram (kg)	1.19	0.00 GJ
✂	Diesel Consumption	Horizon Power - Denham PS	Geoff Park	2009	882.20 kilolitres (kl)	2,366.68	34,052.92 GJ
✂	Natural Gas Use	Horizon Power - Denham PS	Geoff Park	2009	100.00 cubic metre (m3)	0.20	3.93 GJ
✂	Lube Oil Burnt	Horizon Power - Denham PS	Geoff Park	2009	3.50 kilolitres (kl)	8.31	120.05 GJ
✂	SF6 Leakage	Horizon Power - Denham PS	Geoff Park	2009			0.00 GJ
✂	Diesel Consumption	Horizon Power - Kununurra PS	Geoff Park	2009	115.80 kilolitres (kl)	310.66	4,469.88 GJ
✂	Natural Gas Use	Horizon Power - Kununurra PS	Geoff Park	2009	1,000.00 cubic metre (m3)	2.02	39.30 GJ
✂	Lube Oil Burnt	Horizon Power - Kununurra PS	Geoff Park	2009	0.40 kilolitres (kl)	0.95	13.72 GJ
✂	SF6 Leakage	Horizon Power - Kununurra PS	Geoff Park	2009			0.00 GJ
✂	Diesel Consumption	Horizon Power - Marble Bar PS	Geoff Park	2009	588.70 kilolitres (kl)	1,579.31	22,723.82 GJ
✂	Natural Gas Use	Horizon Power - Marble Bar PS	Geoff Park	2009			0.00 GJ
✂	Lube Oil Burnt	Horizon Power - Marble Bar PS	Geoff Park	2009	2.30 kilolitres (kl)	5.46	78.89 GJ
✂	SF6 Leakage	Horizon Power - Marble Bar PS	Geoff Park	2009			0.00 GJ
Page 1 of 3				1 2 3			

November 2009

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

<< < Today > >>

One of the key attributes of the system is that it is designed to be configurable. We provide sophisticated functionality to manage the entire Carbon Footprint and then customise that to meet your specific needs.



You can also maintain the system >>>

Welcome Yianni Loupis | Hot List Google | Go | Quick Search | Search Person by Sur

GHG Inventory Administration Search System Report Logout Help

Navigator Filter

- Filter on Owner
- Filter on Business Unit
- Filter on Period
- Filter on Source

GHG Inventory

Emission Sources

Periods

Contributions

Credits & Offsets

Distribution Groups

Company

Person

Notes

Documents

+ Alerts

Can you check your Con...more

2008 OSCAR Submission ...more

+ Distribution Group

▼ Calendar

November 2009

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

<< < Today > >>

Select the ContributionConstant

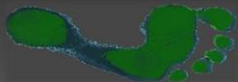
Name Filter

Contribution Constants

	Name	Value	Comment
	Bagasse - Fuel	0.01824	Sugar Mill purpose
	Biodiesel	0.11764	
	Carbon Intensity	0.0007	Carbon Intensity provided by Geoff Park - Horizon Power Kg CO2e/kWh
	Carbon Intensity	0.0007	Using all EF = 0.7 and Unit Conversion 0.001
	Diesel Oil (Trans)	2.69814	
	Diesel Oil Stationary Engines	0.002675752	
	Diesel Oil Test	0.002675752	
	Diesel Usage for Power Generat	2.6827	Energy Content = 38.6, EF(CO2)= 69.20, EF (CH4) = 0.1, EF (N2O) = 0.2, Unit Conversion = 0.001
	Electricity	0.00091	
	Ethanol for General Transport	0.0796	
	Ethanol for General Transport	0.0796	
	FuelComb-LiqFuel - Diesel Oil	2.6827	
	Gas cooking	0.51	
	Gas cooking	0.51	
	Gas LPG Consumption	1.59296	
	HFC-134a Air Conditioning	0.117	GWP = 1300; LR = .09; Unit Conversion = 0.001
	HFC-134a Air Conditioning	0.117	GWP = 1300; LR = .09; Unit Conversion = 0.001
	HFC-152a Refrigerator	0.0322	GWP = 140; LR = .23; Unit Conversion = 0.001
	HFC-152a Refrigerator	0.0322	GWP = 140; LR = .23; Unit Conversion = 0.001
	HFC-23 Freezer	2.69	GWP = 11700; LR = .23; Unit Conversion = 0.001

Page 1 of 3 1 2 3

We are experienced at building Web-based solutions and know that it is extremely important to provide a framework to allow customers to manage and maintain the system themselves...above you can see configurable lists for maintaining some of the system values...

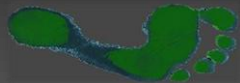
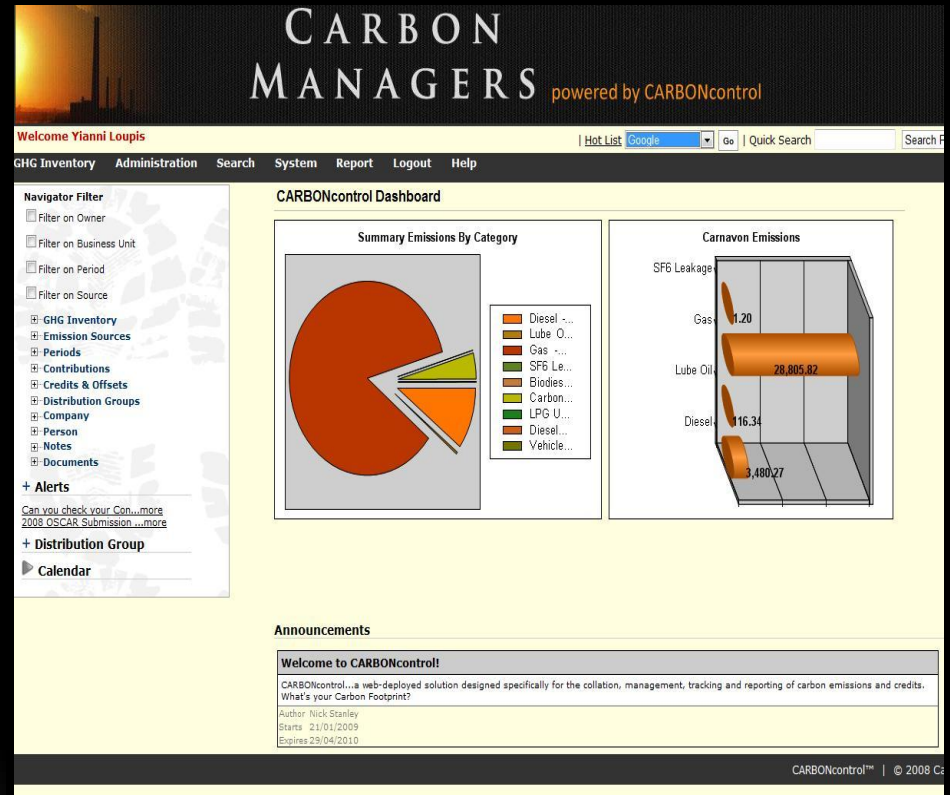


Integration is a key >>>

SAP

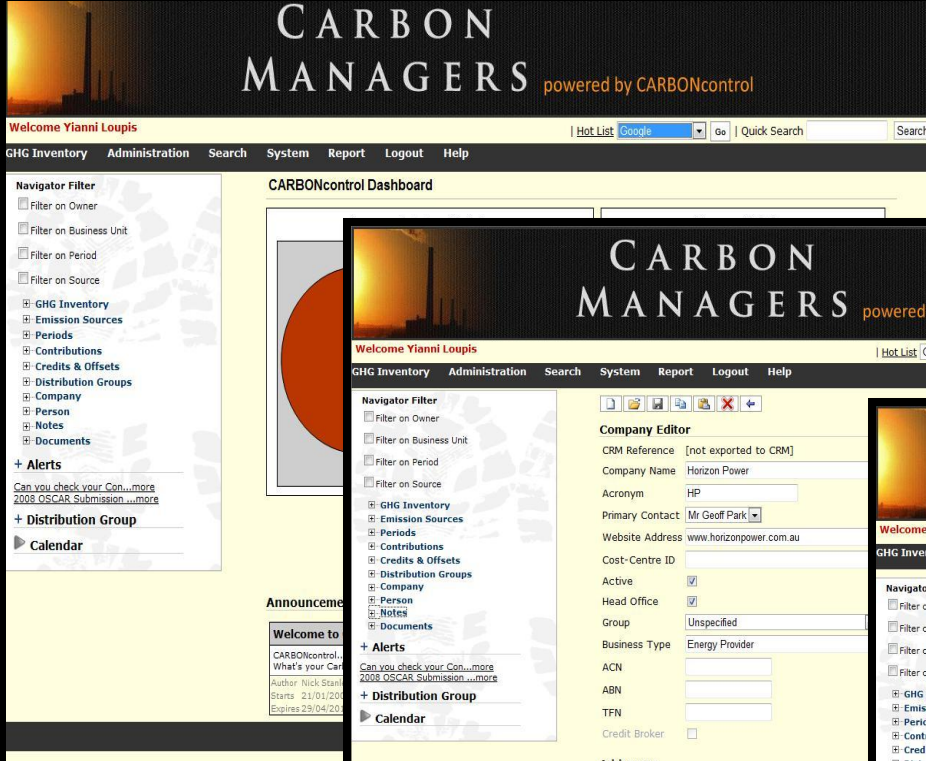
ERP

JDE



We publish a series of data exchange services (WebServices) that allow the system to “real-time” integrate with any third party applications, such as ERP, SAP, JDE, IBM, etc.

Fully compliant with all reporting obligations, such as OSCAR >>>



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Welcome Yianni Loupis

GHG Inventory Administration Search System Report Logout Help

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2008 OSCAR Submission...more

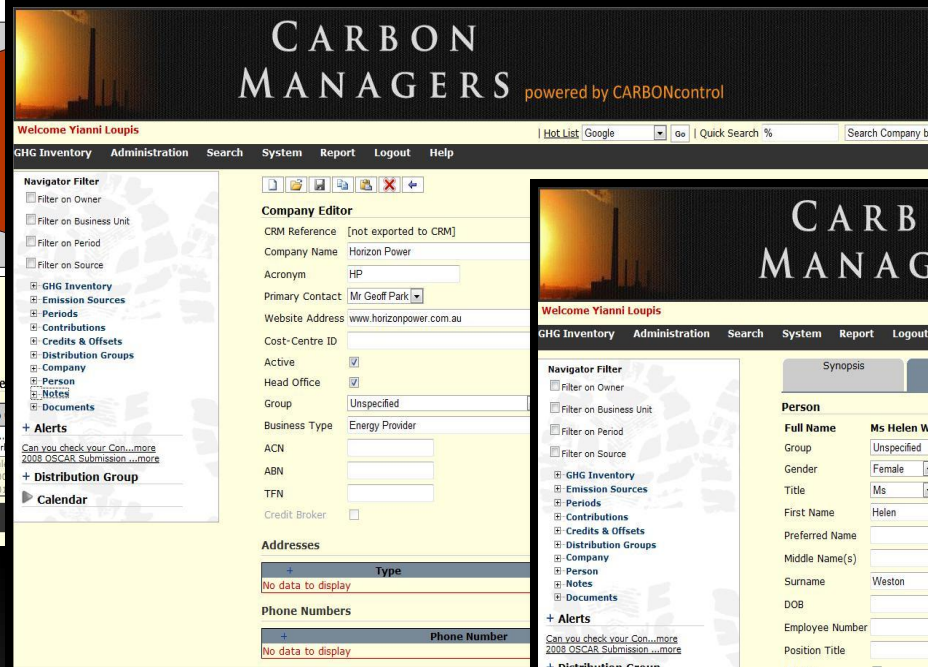
+ Distribution Group

Calendar

CARBONcontrol Dashboard

Announcements

Welcome to CARBONcontrol...
What's your Car...
Author Nick Stahl
Starts 21/01/200...
Expires 29/04/200...



CARBON MANAGERS powered by CARBONcontrol

Welcome Yianni Loupis

GHG Inventory Administration Search System Report Logout Help

Company Editor

CRM Reference [not exported to CRM]

Company Name Horizon Power

Acronym HP

Primary Contact Mr Geoff Park

Website Address www.horizonpower.com.au

Cost-Centre ID

Active

Head Office

Group Unspecified

Business Type Energy Provider

ACN

ABN

TFN

Credit Broker

Addresses

	Type
No data to display	

Phone Numbers

	Phone Number
No data to display	

Navigator Filter

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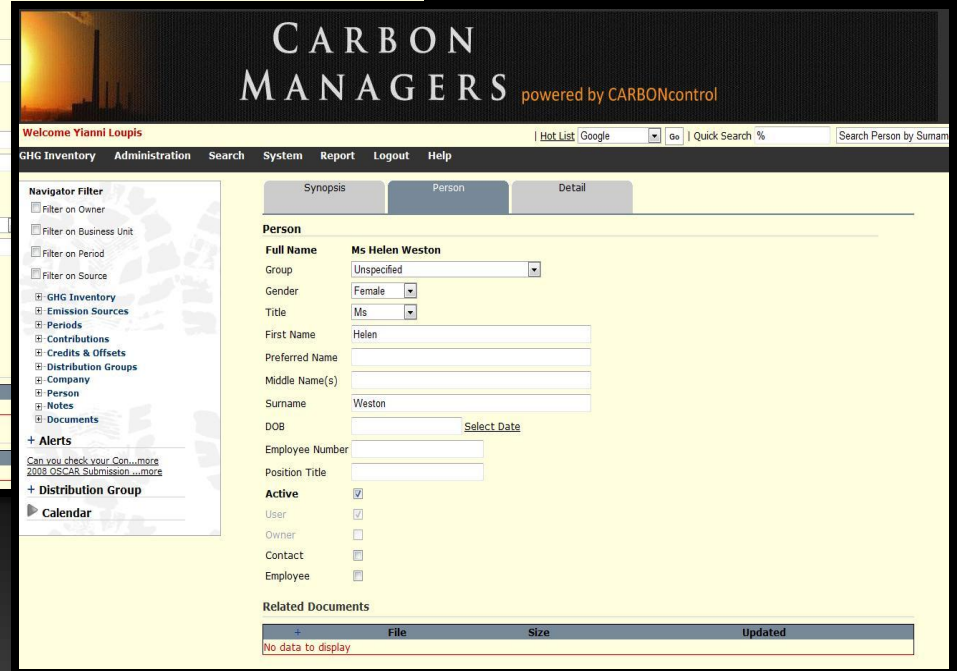
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Can you check your Con...more
2008 OSCAR Submission...more

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CARBON MANAGERS powered by CARBONcontrol

Welcome Yianni Loupis

GHG Inventory Administration Search System Report Logout Help

Person

Full Name **Ms Helen Weston**

Group Unspecified

Gender Female

Title Ms

First Name Helen

Preferred Name

Middle Name(s) Company

Surname Weston

DOB Select Date

Employee Number

Position Title

Active

User

Owner

Contact

Employee

Related Documents

	File	Size	Updated
No data to display			

Navigator Filter

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- Filter on Source

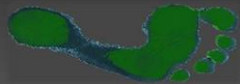
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Can you check your Con...more
2008 OSCAR Submission...more

+ Distribution Group

Calendar



Carbon Managers powered by CARBONcontrol has been built to support integration with a variety of third party systems such as OSCAR.



CARBON MANAGERS

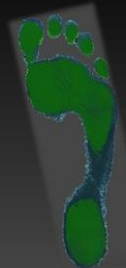
Powered by CARBONcontrol™

Demonstration

Main areas covered include:



- Dashboard
- Navigation, Security, Announcements and Audit
- Reporting Periods and Milestones
- Credits and Offsets
- Credit Brokers and Business Units
- Contribution Constants (Emission Factors)
- Emission Sources and Contributions
- Targets
- Notes, Documents
- Distribution Groups
- Correspondence
- Alerts
- GHG Inventories
- Reporting Services






CARBON MANAGERS

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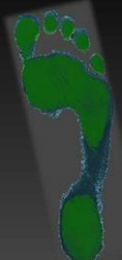
The benchmark for Carbon Footprint Management >>>



Carbon Managers powered by CARBONcontrol is a complete solution for your organisation's entire Carbon Management needs.

It is built with robust, industry standard Microsoft .NET technology by a company highly experienced at building smart and sophisticated solutions.

It is designed to be integrated with your other corporate systems and to be configured to meet your specific needs.



Carbon Managers powered by CARBONcontrol is THE solution for Carbon Emissions, Offsets and Credit Management.