



CLOEE - THE CARBON ACCOUNTING SOLUTION

THE NEED

The UK has committed to a CO₂ reduction target of 60% measured against 1990 levels as per the Climate Change Bill. The Stern report (Nov. 2006) indicates that a failure to act will be deeply damaging to the world economy.

Organisations have an obligation to minimise their impact on the environment whether it is legislated for or not.

THE APPROACH

- CLOEE – CarbonLow Ongoing Emissions Evaluation – is a system providing users with the ability to track their carbon footprint, set reduction targets and, with the aid of reminders, monitor progress; all contained within an easy-to-use interface. Users also have the option of trading carbon through our integrated CarbonLow Carbon Trading Platform which seamlessly communicates with CLOEE and automatically updates emissions and trading information. CLOEE has the capacity to handle even the most complex of organisational structures
- We offer a step-by-step approach to understanding your carbon emissions by following our Maturity Matrix; as you progress through the levels you gain a more complete picture of your carbon footprint. These stages are offered only as a guide and do not have to be adhered to.
 - I. Baseline** – the initial monitoring and recording of the company’s annual carbon footprint i.e. their baseline period.
 - II. Operational Footprint** – the preliminary monitoring and recording of a company’s direct and indirect emissions.
 - III. Automated Data** – the automation of direct/indirect carbon collection using Automatic Metering (AMR) systems.
 - IV. Product and Supplier Interface** – by incorporating the embedded carbon found in the supply chain of components and products the most complete carbon footprint can be obtained.
 - V. Trading** – an optional service allowing users to trade on the carbon markets using our sister company; CarbonLow Carbon Trading Ltd.
Note – we recommend that all four previous stages of the Maturity Matrix be completed in order to make an informed decision on carbon trading.

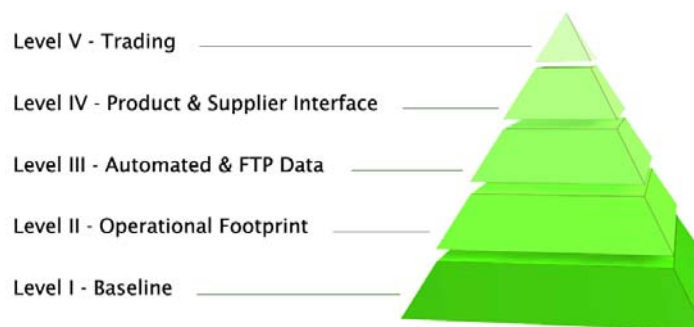


FIGURE 1: OUR MATURITY MATRIX

HOW IT WORKS

CLOEE is a web-based system and makes use of a variety of technologies in order to be most flexible for users. Emissions data is gathered from a variety of sources using a multitude of different techniques, which are often dictated by user request. Data may be inputted either:

- **Manually** – using the interface found on our website, or;
- **Automatically** – from site based AMR (Automatic Meter Reading) systems, Bluetooth applications on vehicles or linked in with existing business systems such as Microsoft Navision and SAGE (see below).

Typical sources of carbon emissions are sourced from:

- **Buildings**- Both direct and indirect sources of emissions such as utilities and major fuels (short rotation willow coppice, gas etc). We recommend that AMR systems are set up on the largest direct and indirect sources of emissions.
- **Travel**- Both employee commuting and business mileage can be recorded and used by CLOEE. We recommend that post 1995 vehicles which have On-Board Diagnostics (OBD) be fitted with a Bluetooth adapter - this can upload the distances travelled directly to CLOEE minimising admin burden.
CLOEE can cater for a variety of different transport methods such as public transport, air travel and private travel (such as car, bike, walking and cycling).
- **Supply Chain**- Often the largest individual source of emissions. Supply chain covers the embedded carbon contained within a component or product. CLOEE has the distinctive feature of being able to record the amount of carbon embedded within raw materials and components supplied to organisations.
- **Waste**- An organisation is responsible for all aspects of their operation, and waste is no exception. CLOEE takes into account the global warming potential to how waste is disposed; whether it is sent to landfill, incinerated or recycled.

CLOEE has the capability to minimise double-handling of data by automatically uploading information from existing business systems such as Microsoft Navision, as well as the possibility of linking with an external system such as the Carbon Reduction Commitment Registry (currently being researched).

Once CLOEE has sufficient sources of emissions data, the results can be accessed online in the form of highly visible and easy-to-understand reports that are filterable and can be viewed according to category and/or date. Furthermore, report categories (such as electricity) may be drilled-down to provide further details of the entries which make them up providing a more detailed picture of your carbon emissions.

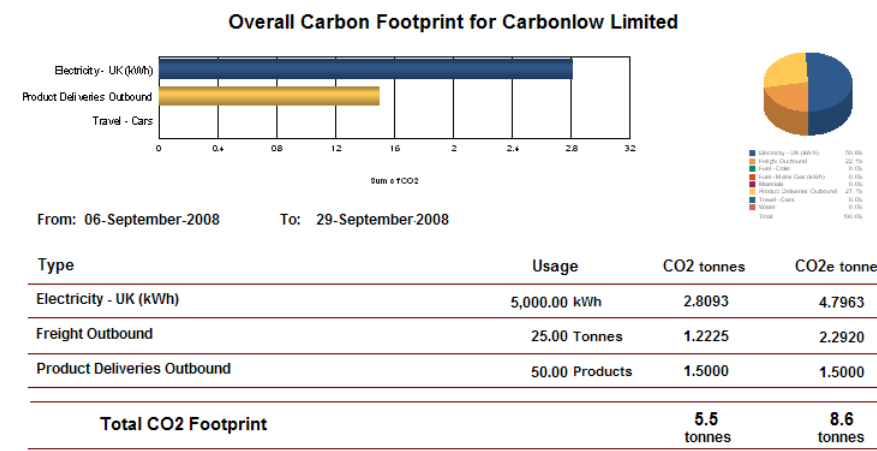


FIGURE 2: A TYPICAL CLOEE REPORT