



**Phil Shaw**

Phil joined Click-On Logistics in early 2007 following an impressive career to-date which spans nearly 25 years and across a broad range of sectors. Starting off in the armed forces where Phil was a submariner in the Royal Navy, the next move was into retail (Sainsbury's) where he took

on a role essentially concerned with contract distribution management. From there it was change to the other side of the fence with a move to TNT, and then a spell at Central Television. Phil then gained a huge breadth of experience working in supply chain consultancy for over 12 years.

Throughout Phil's career, he's always held a keen interest for environmental issues and with this – and specifically the relevance of carbon footprint in the supply chain – now being something that most businesses need to address, Phil is applying both his knowledge and passion to the job.



**Stephen Bradley**

Stephen specialises in the development and implementation of optimised supply chain strategies and was one of the pioneers in developing COL's approach to combining supply chain management techniques with carbon footprint management.

He has over 25 years experience as a business management consultant, 20 of these as a partner in PricewaterhouseCoopers. In addition to providing top level supply chain expertise, Stephen is also a chartered accountant and has a proven track record of combining supply chain and financial skills to help clients improve their performance. His clients have been drawn from over 30 countries and span the spectrum of industries, including consumer goods, retail, manufacturing and pharmaceutical.



### *Manage Your Supply Chain Carbon Footprint*

Click-On Logistics is based in Banbury, Oxfordshire, United Kingdom. This is midway between London Heathrow and Birmingham International airports, and therefore we're ideally located for our international clients. In addition, our offices are just three kilometres from junction 11 of the M40 motorway.



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## Carbon Footprints in your total supply chain

Supply chain strategy design and physical processes do of course contribute significantly to maintaining and enhancing business profitability. Within the supply chain, Click-On Logistics has supported many companies to expand their field of vision to include the processes of both the companies they buy from and the companies they sell to. This has always produced an integrated supply chain strategy and often on a global level.

Click-On Logistics also believes that managing the carbon footprint of products across the supply chain is the next step for businesses to take in the effort to develop brand environmental responsibility, maintain margin profitability, and of course reduce carbon emissions.

Changing consumer attitudes now present forward-thinking companies with a need to develop, manage and maintain low carbon products. The management of the carbon footprint of products across the total supply chain is just such a solution.

### SUPPLY CHAIN CARBON FOOTPRINT MANAGEMENT PROVIDES COMPANIES WITH:

- visibility of carbon sources
- linkage of process to levels of emission
- management of emission levels

In summary, businesses which embark on such a project have the means to manage and minimise carbon emissions between point of initial supply and customer delivery: they have control of their environmental impact.

### SUPPLY CHAIN CARBON MANAGEMENT

Whilst we can always measure the direct carbon footprint of an individual company, our approach also provides the option to measure the carbon footprint of the total supply, from raw materials to the end consumer. This option differs from the 'single company' management approach as shown.

TRADITIONAL CARBON MANAGEMENT	CLICK-ON LOGISTICS CARBON MGT STRATEGY
Single company	Multiple companies driven by lead brand
Analysis covering single supply chain stage	Analysis covering complete supply chain for any product or group
Companies engaged individually	Companies engaged collaboratively up and down supply chain
Carbon savings coming from each company's operations	Carbon savings from both internal efficiency and external process reorganisation

Our methodology draws on standard Life-Cycle Analysis techniques (LCA) which the United Nations Environmental Programme (UNEP) describes as "the process of evaluating the effects that a product has on the environment over the entire period of its life cycle".

At Click-On Logistics we believe we can provide businesses with optimised value. We not only quantify the carbon footprint, but our supply chain expertise allows us to help companies to develop their understanding of the interaction between process, service and carbon, and to explore differing supply chain strategies to minimise emissions whilst maintaining financial efficiency and service demands.

### OUR APPROACH

Click-On Logistics combines the principles of LCA with their supply chain process analysis techniques. The methodology for assessing total supply chain carbon footprints and the operational interactions can be summarised as follows:

#### Scope and Analysis

- Scope and boundaries of review and communication strategy
- Develop supply chain process map and identify product and energy sources

#### Construction of the Carbon Footprint

- Communicate to key supply chain companies
- Collect energy and emissions data and focus on energy rich stages
- Construct balanced supply chain: input = output
- Construct Activity Based Carbon map: emissions by process and stage

#### Opportunity Identification and Prioritisation

- Highlight key emission sources and seek reduction opportunities
- Evaluate net carbon impact, service and cost
- Plot opportunities on carbon matrix to prioritise high carbon and high cost saving potential

#### Deliverables

- Calculation of total carbon across supply chain
- The carbon footprint by individual customers or product groups
- Visibility of emission by supply chain process
- Management tool for ongoing review
- Reduction opportunity plan

For more details as to how Supply Chain Carbon Management Process could benefit your business contact [philshaw@clickonlogistics.com](mailto:philshaw@clickonlogistics.com) or see our website [www.clickonlogistics.com](http://www.clickonlogistics.com)

## LIFE CYCLE ANALYSIS Schematic of typical integrated supply chain and carbon footprint composition

