

Carbon Footprinting of Products and Services: Footprint Expert™ Training

What is Footprint Expert™?

The Footprint Expert™ toolkit has been created by the Carbon Trust to provide further definition to the PAS 2050, a globally recognised standard. The toolkit enables globally comparable and credible carbon footprints to be calculated by providing a pre-built framework model that enables users to easily input information and data. The Footprint Expert™ toolkit has been developed using the knowledge acquired from working on both UK and international projects across an ever increasing range of sectors.

Crucially, the Footprint Expert™ toolkit provides a more cost-effective approach to product carbon footprinting without compromising quality or consistency.

The Footprint Expert™ Toolkit:

Licence holders of the Footprint Expert™ toolkit have access to data-entry templates, regular methodology updates and product-specific guidance. Specifically the toolkit includes:

- An ever-increasing number of calculators (such as the transport, the end-of-life, material emissions and agriculture calculators);
- A data base of secondary data and international PAS2050 compliant energy emission factors;
- The Guide: an encyclopaedia of footprinting rules and methodology that provides further definition and clarity to the PAS2050.

The benefits of Footprint Expert™ training:

Attending the 2 day Footprint Expert™ training will provide you and your organisation with the information, skills and knowledge of how to build a carbon footprint model. The 2 day training course will equip you with the skills to manage a footprint project, identify carbon hotspots and fully utilise the detailed information released by the model.

The training will also include the background to PAS 2050 methodology, an introduction to the Carbon Trust and the support available to you during your project. Ultimately, the course will provide you with the tools to calculate a product carbon footprint that can be certified and publicly communicated (i.e. through the use of the Carbon Reduction Label).



2 Day Footprint Expert™ Training: Agenda

Day 1

9.30 - 12.30

- Introduction to the Carbon Trust and Carbon Trust Footprinting Company.
- Overview of PAS 2050 and Lifecycle Assessment.
- Case studies from existing commercial partners
- Initial Introduction to the Toolkit.
- The Role of Footprint Expert™
 - Benefits to an organisation.
 - Types of footprint models
- Commercials:
 - Project management
 - Project Planning and Timelines
 - Footprinting options and associated costs and benefits
 - On-going relationship with the Carbon Trust
 - Requirements for certification and labelling
 - UKAS accreditation

12:30 - 13:30

- Lunch

13.30 - 17.00

- PAS 2050 First Principles
 - Process map
 - Boundaries
 - Data quality rules
- The Footprint Expert™ Toolkit
 - Overview
 - Data Input sheets
 - Sources and use of secondary and primary data
- Building a footprint model within the toolkit
 - Use of Crop Calculator
 - Use of the Material Emission Factor Calculator

Day 2

9.30 - 12.30

- Building a Model within Footprint Expert™
 - Mass balance
 - Footprint Expert™ Database
 - Recycling Calculator
 - Co-product Allocation
 - Transport Calculator

12:30 - 13:30

- Lunch

13.30 - 17.00

- Building a Model Within Footprint Expert™
 - Processing Energy
 - Distribution and Retail emissions
 - Use Phase
 - End of Life + carbon storage
- Calculating a Final Footprint Value
- Commonly Arising Issues within footprint projects
- The Product Emissions Report
- Certification Process
- Next Steps/ Follow-on Consultancy Options
 - Reduction
 - Labelling and communication
- Final Questions