

Life Cycle Thinking

Workshop Programme Outline

A practical two day programme aimed at applying sustainability to your products, services and business.

KEYWORDS : Life Cycle Thinking, Life Cycle Management, Life Cycle Tools & Approaches

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Programme Outline

Life Cycle Thinking Workshop Series 2009



The Life Cycle Thinking series is back for 2009 in a succinct two day workshop that offers a practical and interactive approach to learning about sustainability and how you can apply it to your products, services and company.

The LCT series was created as a sequence of three workshops that has been constructed for delivery over a period of two days.

The content is structured 'progressively' so the second and third workshops build on the previous workshops to enable a more detailed investigation of the different areas. This creates a more accessible approach whilst still engaging with important aspects of life cycle thinking, management, and tools.

Each workshop has a strong interactive learning component which is designed to apply and reinforce key learnings from each session.

Feedback from the 2008 series:

"well crafted, very motivational"

"Liked that the day was broken up into sections. I was never bored"

"The workshops were very organized and worked well. The pre-printed paper layouts were great"

The series features some great take home tools, ideas and approaches that you will be able to use in your own company.

The content will be delivered by range of leading Life Cycle Thinking practitioners from New Zealand.

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LCT Series Programme - Day One	
9:30am	Introduction to the series
9:40am	Life Cycle Thinking Presentation: Approaching LCT from a Design Mindset
10:10am	<p>LCT Workshop Session (Groups 4 - 6 people)</p> <p>With worksheets provided, investigate and define the core product function, document the existing product life cycle identifying problems and opportunities, then redefine the product system - designing a new product life cycle by using the previous worksheets.</p>
12:40pm	Lunch Break
13:10pm	Life Cycle Management Presentation: From Product to Company
14:00pm	<p>LCM Workshop (Group size 4-6 people)</p> <p>Using the example provided, explore the application of LCM and identify strategies using the guides provided. Develop a plan of action to respond to the strategies established in the first part of this workshop.</p>
16:30pm	Session Close

LCT Series Programme - Day Two	
9:30am	Recap and overview of first day's activities
9:50am	Life Cycle Tools & Approaches Presentation: LCA & Applications
10:30am	<p>'Apply it' Workshop 1 - LCA</p> <p>Workshop an example LCA to understand the process.</p>
11:30am	Life Cycle Tools & Approaches Presentation: Utilising Tools & Approaches
12:00pm	Lunch break
12:30pm	Introduction to Implementing Change Workshop
12:40pm	<p>'Apply it' Workshop 2 - Implementing Change</p> <p>Teams will apply their learning from the three workshops to a fictional company. A range of information will be provided to discuss, interpret and make decisions, culminating in a presentation to their CEO.</p>
15:40pm	Presentation of results from the workshop to the group.
16:00pm	Summary of the LCT workshop series
16:30pm	<p>Session Close</p> <p>Drinks and nibbles will be provided so that participants can discuss the series, thoughts, and their next steps.</p>

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Life Cycle Thinking Workshop Series 2009

1 Life Cycle Thinking - A design mindset

This workshop introduces the key principles behind Life Cycle Thinking at a conceptual level.

It will discuss changing from an objective oriented design model to a system oriented design approach that incorporates the product life cycle. This workshop will have a design focus. It seeks to illustrate how life cycle thinking can be used in a commercial environment to not only create environmental improvements but to also provide insight into a design that can lead product innovation.

Accompanying support article in **Prodesign: April '08**

Key Learnings:

- Understand system oriented thinking in the context of product development.
- To apply life cycle thinking to your design work to create insight.
- Understand how life cycle thinking can operate in a conceptual and commercial environment.

Module Content:

- Introduction to the Life Cycle Thinking Series
- Presentation: Approaching LCT from a Design Mindset
- Life Cycle Thinking Worksheets (3)
- Worksheet Sticker Sheets (2)
- Prodesign article on Life Cycle Thinking
- LCT Participant Booklet (for reference)

Programme Outline

Life Cycle Thinking Workshop Series 2009

2 Life Cycle Management - From product to company

Life Cycle Management is defined as the managerial practices and organisational arrangements that apply life cycle thinking.

This workshop introduces how to apply life cycle thinking to the development and management of products and services. It touches on emerging issues related to international supply chains and the availability of information including some of the key standards and certifications that can indicate effective management within your supply chain.

This workshop will have a business and commercial focus. It seeks to provide a working picture of how life cycle thinking can be integrated to improve the delivery of your products and services as well as how to more effectively communicate within your organisation to key stakeholders.

Supporting article in **Prodesign: June '08**

Key Learnings

- Understand the application of life cycle thinking to products and services
- To gain a better understanding how to manage life cycle thinking within your organisation and supply chain.
- Understand the key management practices and certifications which define life cycle management and how they can best benefit your organisation.

Module Content:

- Life Cycle Management Presentation: From Product to Company
- Life Cycle Management Worksheets (4)
- Worksheet Sticker Sheets (2)
- Prodesign article on Life Cycle Management
- LCM Participant Booklet (for reference)

Programme Outline

Life Cycle Thinking Workshop Series 2009

3 Life Cycle Tools & Approaches - Implementing change

This extends the thinking in the previous sessions with an interactive tools and methods focused workshop.

The session will reiterate and expand on the first two workshops, addressing the issues and impediments to implementing change within your business and for your clients.

The workshop presents an overview of life cycle thinking approaches such as Life Cycle Assessment (LCA), Carbon Footprinting, and Economic Input Output Modelling (EIOA) and discusses the importance of data to these approaches. However, emphasis will be on the workshop sessions in order to build further understanding of how to apply life cycle thinking, including where and how these tools are best used in the development process.

Supporting article in **Prodesign: August '08**

Key Learnings

- Understand the key tools, techniques, and software that can be used to implement life cycle thinking in product development.
- To learn about the potential applications of the tools and understand where they are best used and are most effective.
- To see the horizon and potential of different techniques to enable development targets for participants when they complete the workshops.

Module Content:

- Recap & Overview of first day's content
- Presentation: Life Cycle Assessment & Applications
- Presentation: Utilising Tools & Approaches
- Workshop Introduction: Implementing Change
- 'Apply it' Workshop 1: LCA Worksheets (4)
- 'Apply it' Workshop 1: Worksheet Sticker Sheets (1)
- 'Apply it' Workshop 2: Force Field Analysis Diagram
- 'Apply it' Workshop 2: Everwood Company Dossier
- Prodesign article on Life Cycle Tools & Approaches
- LCT&A Participant Booklet (for reference)