



PROJECT : **Life Cycle Thinking**
TITLE : **Workshop Programme Outline**

CLIENT : NA

PROJECT CODE : 0000-00

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AUTHOR : Name

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The Programme

The LCT series is constructed as a sequence of three workshops that could either be attended independently or as a series.

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 learning's from each session.

Deliverables
The three structured modules are designed to deliver effective communication. Each session will have support material provided as follows:
<ul style="list-style-type: none"> • Presentation slides and slide notes.
<ul style="list-style-type: none"> • Case Study slides and slide notes
<ul style="list-style-type: none"> • Session descriptions and instructions to enable in-company application
<ul style="list-style-type: none"> • The three articles contributed to Prodesign with additional supporting diagrams formatted to be a part of the module structure

Fee Structure	
Life Cycle Thinking	\$200
Life Cycle Management	\$200
Life Cycle Tools	\$200
Total Attendance (Booked Individually)	\$600
Total Attendance (Booked together)	\$500

*Prices include module materials and are exclusive of GST

*Numbers are limited and preferential entry will be provided to those attending all three workshops due to the sequential nature of content. Full programme details will be available May 2008.

* A small number of student bursary attendees are available upon application (50% fee discount).

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1 Life Cycle Thinking - A design mindset

12th June **Auckland** - 19th June **Wellington** - 26th June **Christchurch**

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.

Life Cycle Thinking (LCT) Programme	
9:30am	Start (Introduction to day) - Dr.Cris de Groot
9:40am	An Introduction to Life Cycle Thinking – Jake McLaren
10:10am	Approaching LCT from a Design Mindset - Timothy Allan
10:40am	LCT Workshop Session - Part 1 (Session introduction - Dr.Cris de Groot) With worksheets provided investigate and define the core product function and then document the existing product life cycle identifying problems and opportunities (Groups 4 - 6 people).
12:00pm	Lunch Break
12:30pm	Case Study Addresses 'Applying LCT in International context' - Mekayla Beaver 'Identifying and designing for the Real problem' - Kylie Baker 'Applying a Product System approach to Design Research and Product Development' - Karoline Jonsson
13:30pm	LCT Workshop Session - Part 2 (Session introduction - Dr. Cris de Groot) Using Part 1 and worksheets provided redefine the product system by designing a new product life cycle by using the core product definition and addressing identified problems and opportunities (Groups 4 - 6 people).
14:40pm	Afternoon Tea Break
15:00pm	Summary of Days Learning & Discussion - Timothy Allan & Dr. Cris de Groot.
15:30pm	Session Close
	Cost for session - \$200

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2 Life Cycle Management - From product to company 3rd July 2008 Auckland

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 Learning's

- 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.

Life Cycle Management (LCM) Workshop	
9:30am	Introduction and Recap of LCT workshop
9:45am	From Product to Company - Jake McLaren
10:10am	A New Zealand LCM programme - Penny Nelson
10:30am	Life Cycle Strategies - Timothy Allan
10:55am	LCM Workshop - Part 1 (Session Introduction - Dr. Cris de Groot) Using example provided explore the application of LCM and identify strategies using guides provided (Group size 4-6 people).
12:00pm	Lunch Break
12:30pm	Case Study Addresses Applying LCM in the built environment - Barbara Nebel Patagonia & total supply chain innovation - Blythe Rees-Jones
13:10pm	LCM Workshop - Part 2 (Session Introduction - Dr. Cris de Groot) Using example provided develop a plan of action to respond to the strategies established in Part 1 (Group size 4-6 people).
14:10pm	Afternoon Tea Break
14:30pm	Summary of days learning & discussion - Jake McLaren
15:00pm	Session Close
	Cost for session - \$200

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3 Life Cycle Tools & Approaches - Implementing change

7th August 2008 **Auckland**

This extends the thinking in the previous sessions with a tools and methods focussed workshop. It covers research and ideation tools (Front end) and analysis tools (Back end) to provide insight into the application of these tools in actual development.

Critically this workshop will set out the best tools for different phases of the development process and outline some of the key areas that need special consideration to ensure the best outcome.

It will also set some horizons by introducing LCA, EIOA and Carbon foot printing to ensure participants are aware of where they can develop through further learning and application.

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

Key Learning's

- Understand the key tools and techniques 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.

Life Cycle Tools & Approaches Programme	
9:30am	Introduction & Recap of LCM workshop - Jake McLaren
9:45am	Introducing Life Cycle Tools - Dr. Cris de Groot
10:15am	Research & Ideation Tools and Approaches - Timothy Allan
10:45am	'Apply it' Workshop - Part 1 (Session Introduction - Dr. Cris de Groot) Session using Ideation tools & approaches (Group size 4-6 people).
11:45am	Summary of Research & Ideation Tools & Approaches
12:00pm	Lunch break
12:30pm	Life Cycle Assessment - Barbara Nebel
12:50pm	Environmental input output assessment - Robbie Andrew
13:10pm	Carbon Footprinting - Sarah McLaren
13:30pm	Analysis Tools and Approaches - Jake McLaren
14:00pm	Afternoon Tea Break
14:30pm	'Apply it' Workshop - Part 2 (Session Introduction - Dr. Cris de Groot) Session using Analysis tools & approaches (Group size 4-6 people).
15:30pm	Summary of Day
16:00pm	Session Close
	Cost for session - \$200

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