

# Environmental Life Cycle Analysis Tool for Packaging

Part of the SavvyPack® System - A Unique Packaging Capability

Allied Development's environmental life cycle analysis (LCA) tool makes it possible to conduct environmental analysis of complex packaging scenarios in a minimum amount of time. The combination of rigorous but fast analysis is possible because the

Allied Development provides rigorous analysis of the economic and environmental impact of packaging

## Origin of Tool

as a consulting service; a service and focus it has maintained for many years. Allied Development has completed many analyses for its own publications and for private clients. When performing these services for clients, Allied Development utilizes its proprietary suite of tools and content, brand named the SavvyPack® System.

In addition to its consulting services, Allied Development opened its SavvyPack® System to clients in 2005, first providing access to its economic analysis system. Now, in addition to the economic analysis system, the SavvyPack® system includes the environmental impact analysis system, searchable knowledgebases, and on-line studies.

SavvyPack® system includes:

- Multiple life cycle inventory (LCI) data choices that can be selected and changed with one click of the mouse
- A highly flexible input format that provides suggested answers for most variables
- An intuitive input format designed for packaging industry participants
- Comprehensive data inputs for any product and production method
- Multiple outputs include energy, greenhouse gases, scorecard values, and many others
- English and metric units that can be selected and changed with one click

The intuitive input format is one of many features that differentiates Allied Development's solution from other offerings. The SavvyPack® system builds a product and production system in the same way a packaging professional thinks about packaging. A packaging professional can easily understand and use Allied Development's software and content.

The SavvyPack® system includes several LCI data sets. Each data set includes

## LCI Data

over 100 packaging raw materials. The data sets differ primarily by geography. Clients can easily change data sets, which automatically propagate through their analysis.

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 **ALLIED**™  
**DEVELOPMENT**  
Packaging Consulting and Publications

The SavvyPack® system is an all-encompassing packaging analysis tool. Raw materials, process equipment, operating speeds and efficiencies, and transport packaging are just a few of the included parameters. The all-encompassing design of the SavvyPack® system makes it possible to extract many outputs. Outputs for energy consumption, greenhouse gases, recovery, health & safety, and many others are available.

The SavvyPack® system is a cradle to grave

The SavvyPack® system enforces a disciplined, highly accurate methodology for both economic and environmental analysis. Cases created and saved in the SavvyPack® system provide an ultra complete record of the analysis done, making it possible to return to these analyses at a much later time and have complete understanding.

#### Disciplined Approach

The environmental life cycle analysis module is completely synchronized with the economic analysis module. Synchronization makes it possible to pass assumptions back and forth between modules and to conduct economic and environmental analysis on the same

The environmental LCA tool and content are synchronized with the economics analysis tool and content. As a result, any packaging scenario can be examined quickly and rigorously, for both economic and environmental impact with the SavvyPack® system.

#### Synchronized with Economics

The SavvyPack® system includes over 30 pre-researched cases of every packaging format, and these cases are available to all subscribers. Users learn the state-of-the-art in LCA analysis from this research, as well as specific results for all package types.

#### Researched Content

system for packaging. This means that outputs are available at many points between cradle and grave, including raw material production, transport packaging production, transport of raw materials, packaging production, transport of finished product, final disposition, and others.

The inputs, intermediate results, and final results are displayed in a completely transparent fashion.

As a result, the calculations used in the SavvyPack® system are also transparent. They are easy to follow and understand. High transparency also results from the system layout that intuitively follows real world packaging processes.

#### Transparent Calculations

set of base assumptions. Economic and environmental parameters are automatically applied to the base assumptions within the corresponding module, making it possible to conduct rigorous and fast analysis of both environmental impact and economics.

Call Allied today to obtain more information on its services or to schedule a web-conference to see our SavvyPack® software, knowledgebases, and services.

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