Life Cycle Assessment: A Comprehensive Approach to Environmental Assessment of Materials

Green building components can play a critical role in reducing the environmental footprint during the entire life cycle of a commercial building:

- **CREATE**
- **TRANSPORT**
- **RECOVER**
- **INSTALL/USE**
- **DEМОLISH**

Life cycle of building products

**Each Product Stage Measures:**
- Primary Energy Use
- Global Warming
- Acidification
- Eutrophication (inorganic compounds stimulating excessive plant/algae growth in water bodies)
- Ozone Depletion
- Smog Formation (ISO Standard’s elements of Life Cycle Assessment)

**Environmental Impact**

- **Use Phase:** 83%
- **Manufacturing:** 15%
- **End of Life:** 2%

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