

LIFE CYCLE DESIGN AND SYSTEM THINKING

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ABSTRACT

Devising a Life Cycle Design involves a number of systemic variables, interacting over time, within a base structure and flows that by defining the relevant environment mimics the logic of Systems Thinking. The possibility to adapt systemic archetypes from Systems Thinking to Life Cycle Design methodology forms a cultural background that enables the forecast of eventual systemic behaviour linked to the key variables interacting over a predefined time-span. This paper illustrates the potential compatibility and applications of systemic archetypes from "Systems thinking" to the drafting of an Life Cycle Design.