Hello!

I am Harish
LCA can be performed at three levels

- Building Element Level
- Building System Level
- Whole Building Level
INFORMATION GAP
SHARED PERSPECTIVE

On Investment and Carbon Reduction
LIFE CYCLE THINKING

The Business And Environment Case for Design Options
Let’s look at LCT Toolbox

**Life Cycle Costing (LCC)**

A systematic consideration of all relevant costs and revenues associated with the ownership of a product/asset throughout its life cycle.

**Life Cycle Assessment (LCA)**

A systematic compilation and evaluation of the potential environmental impacts of a product/asset system throughout its life cycle.

ISO 15686

ISO 14044
LCC Appraisal of Green Roof Alternatives

- Intensive Green Roof System
- Extensive Green Roof System

Bar chart and graph showing the breakdown of costs for construction, operation, maintenance, and replacement over time (Year 0 to Year 60).
LCC Appraisal of Aluminium External Façade System Alternatives

- PVDF Coated Aluminium Panel
- PPC Coated Aluminium Panel
- Anodised Aluminium Panel

Cost breakdown:
- Operation
- Maintenance
- Replacement
- Construction

Years: 0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60
LCC Appraisal of Photovoltaic Array

85m² PV Array - 13.8kW(p)

Year 0
Year 5
Year 10
Year 15
Year 20
Year 25
Year 30
Year 35
Year 40
Year 45
Year 50
Year 55
Year 60

- Operation
- Maintenance
- Replacement
- Construction

85m² PV Array - 13.8 kW(p)
LIFE CYCLE AS THE BUSINESS CASE FOR ALL THINGS GREEN
Life Cycle Thinking