



WE LIVE IN A WORLD WHERE A TREE IS WORTH MORE DEAD THAN ALIVE.
WE MUST CHANGE THE WAY OUR ECONOMY WORKS

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THIS RELIGION OF PROFIT AT ALL COST MUST END

Consumptionism

- An [ideology], or system of beliefs, that prioritizes consumption and spending [above all] else.

Most of us practice this, while our credit [lender] encourages it.



1962-1995





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The Power of ALLIA

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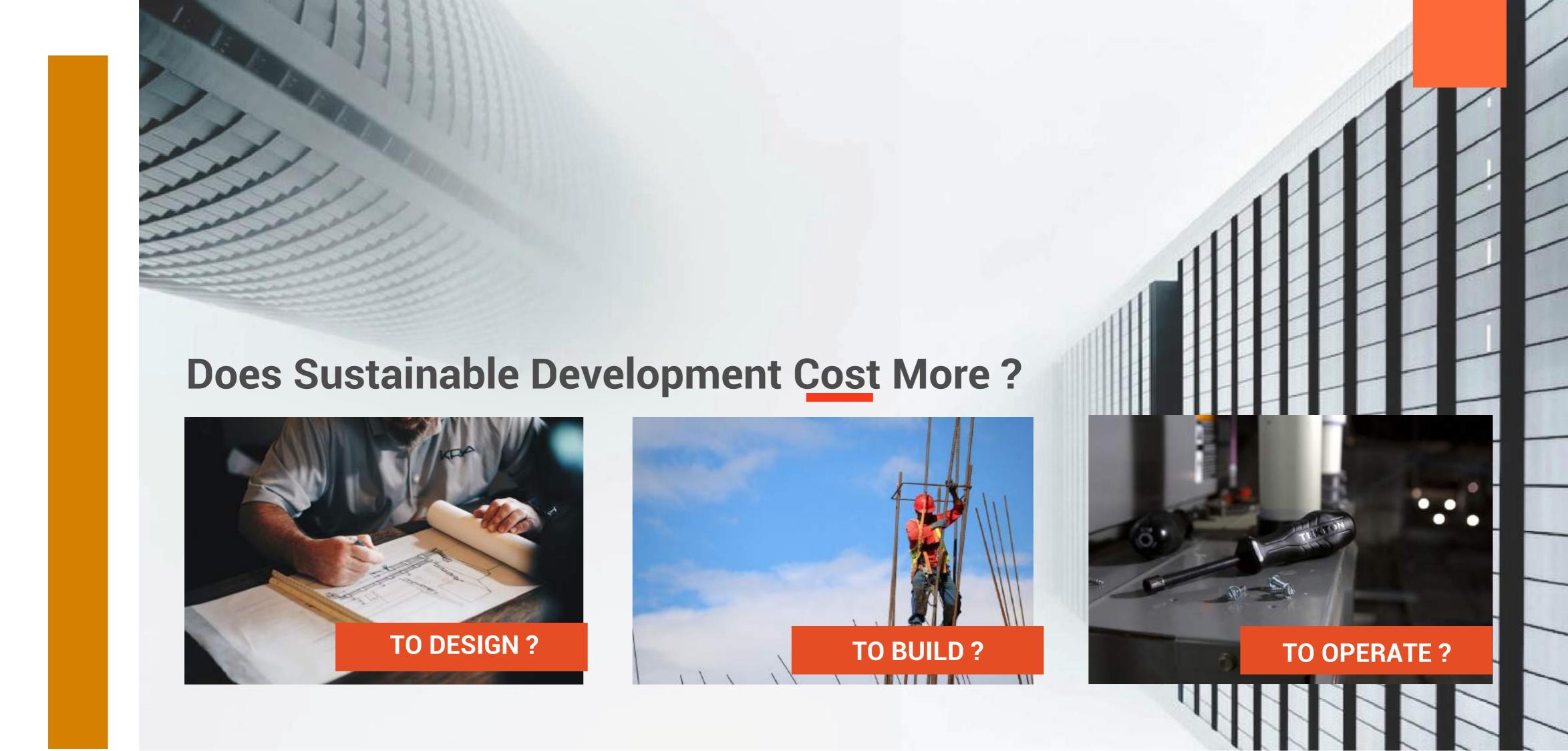
The Power of WITHOUT

HOUSING WITHOUT CONSTRUCTION
SANITATION WITHOUT SEWERS
MOBILITY WITHOUT CARS
COMMUNICATION WITHOUT CARRIERS
FOOD WITHOUT SOIL

The Power of WITHOUT

CITIES WITHOUT





CASE

2013



Cost of Construction: 2000 Rs / sqft



4,50,000 sq. ft.

Difference per sq. ft.

INR 114.11

Percentage Difference 6.35%





Cost of Construction: 2400 Rs / sqft

IGBC Platinum Certified

4,50,000 sq. ft. Difference per sq. ft.

INR 22.67

Percentage Difference 1.02%

CASE
STUDY





Cost of Construction: 2800 Rs / sqft



Targeted: IGBC
Platinum Certificate

Projected

4,50,000 sq. ft.

Difference per sq. ft.

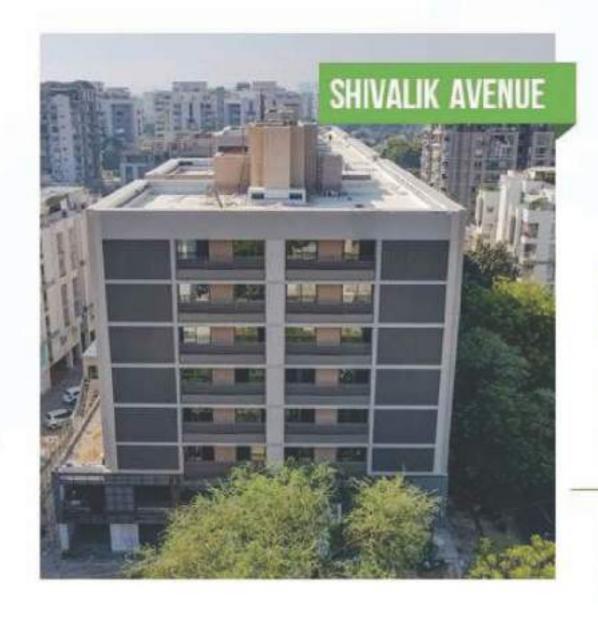
INR 0.28

Percentage Difference
0.001%

GREEN HOMES



BASECASE VS SHIVALIK BUILDINGS





3,00,000 sq. ft.

Percentage Energy Savings

15%



2021

4,50,000 sq. ft.

Percentage Energy Savings

22%

AIR CONDITIONING LOAD 2022 OPERATIONAL 2015 OPERATIONAL EFFICIENCY CONVENTIONAL **EFFICIENCY** 600 SFT/TR 750 SFT/TR BUILDING 2010 DESIGN CASE 400 SFT/TR

Shapath V -HVAC Invoice	
Bill No.:	SV_011_014
Client / Occupant Name :	Provino Technologies
Billing period :	From office commencement to 30 th November ,2014
Office No.:	401
Area in Sq.ft:	1225
Total AHU ton:	2.16
HVAC Charges:	
Fixed cost: (Rs1.15 per sq.ft per month)	13781.25 (from April to November, 2014)
2. Standard working hours cost (9 a.m to 9 p.m)	41523
3. Odd working hours cost :(9 p.m to 9 a.m)	
Total Payable before due date	55304
Penalty after Due date- 25th January,2015	1106
Total Payable after Due date	56410

SHAPATH V HVAC SYSTEM & ENERGY EFIICIENCY:

Savings calculation in comparison to standard conventional Split AC system:

Standard TR= 125 Sq.FT per Ton (on carpet area)

Standard unit rate: Rs. 8 / KWH

Standard working hours = As per actual Standard working Days = As per actual

Diversity= 0.80

Calculation of bill as per conventional = Conventional TR x Unit factor X

Unit rate X Working Hours

X Working days X diversity

=60540

Actual Bill form HVAC system

= 41523

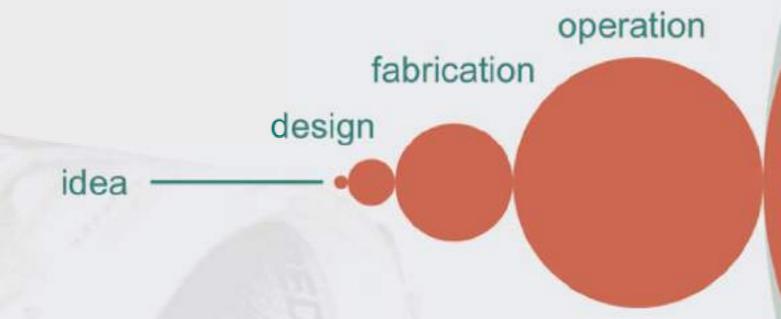
Total Savings = 31%



The Cost of a Building

Do we not have a very myopic view of calculating cost?





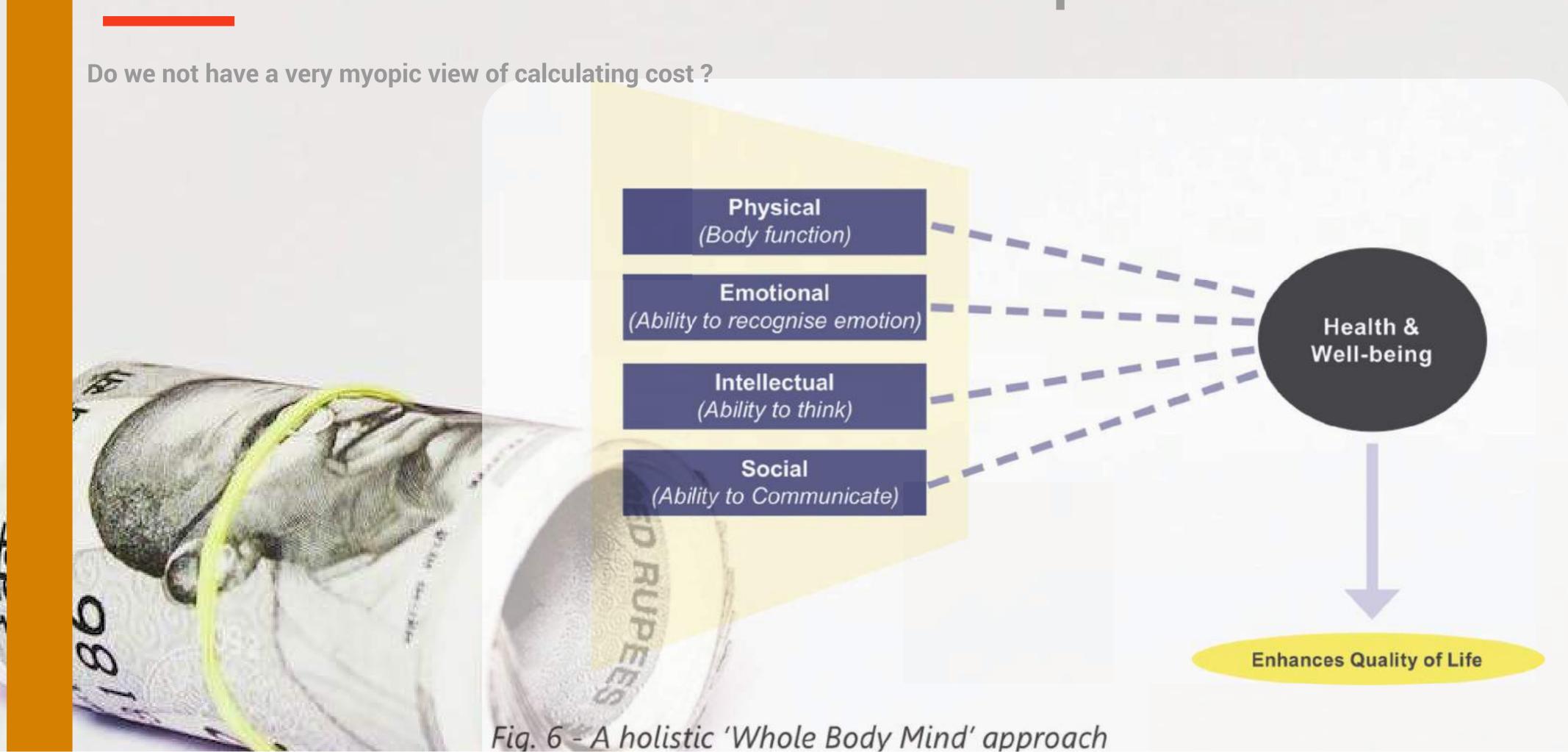
BUILT ENVIRONMENT

Cost

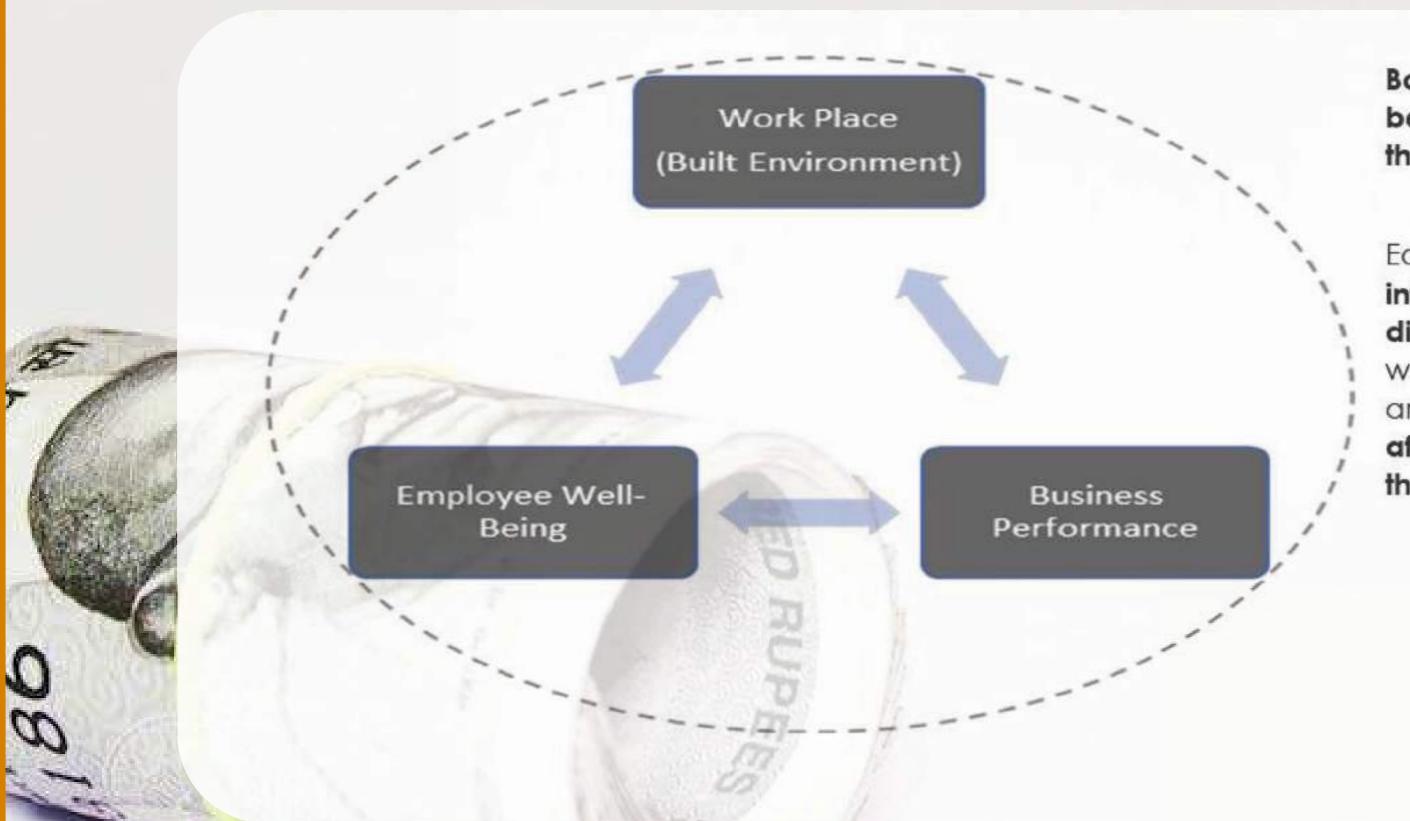


business

USER ORGANIZATION







Based on the interrelationship between a workplace, employees, the users, and the business.

Each of these three parameters interact amongst themselves in a direct interface and holistically as well, where one affects the other and their cumulative performance affects the overall productivity of the business.

