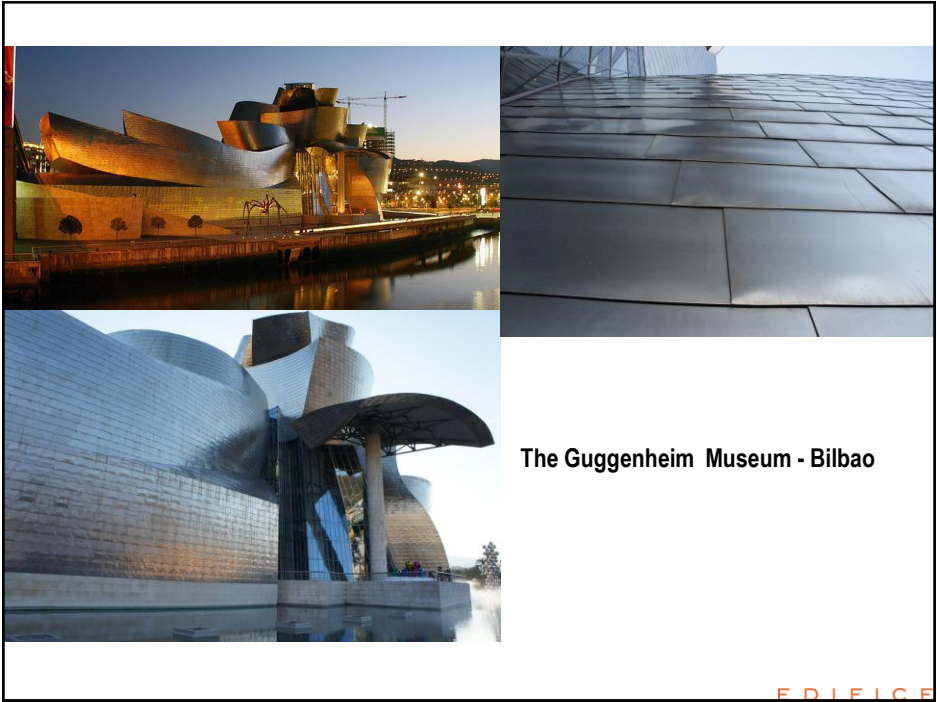


Facade Design - An aesthetic envelope, or a harmonious response to nature.

E D I E I C E

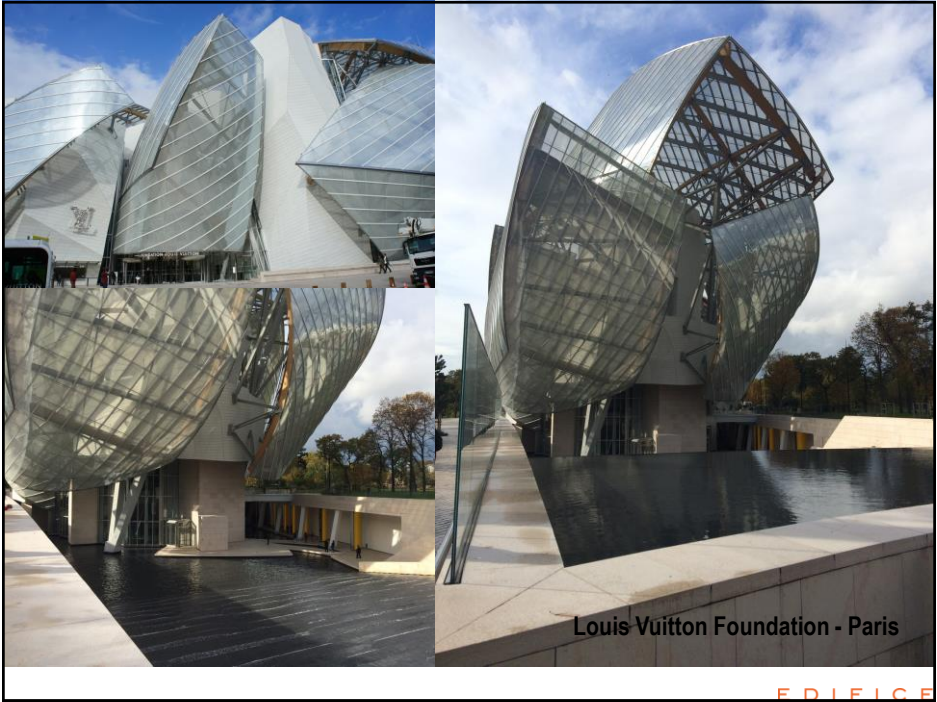
Facade – As an aesthetic envelope

E D I E I C E



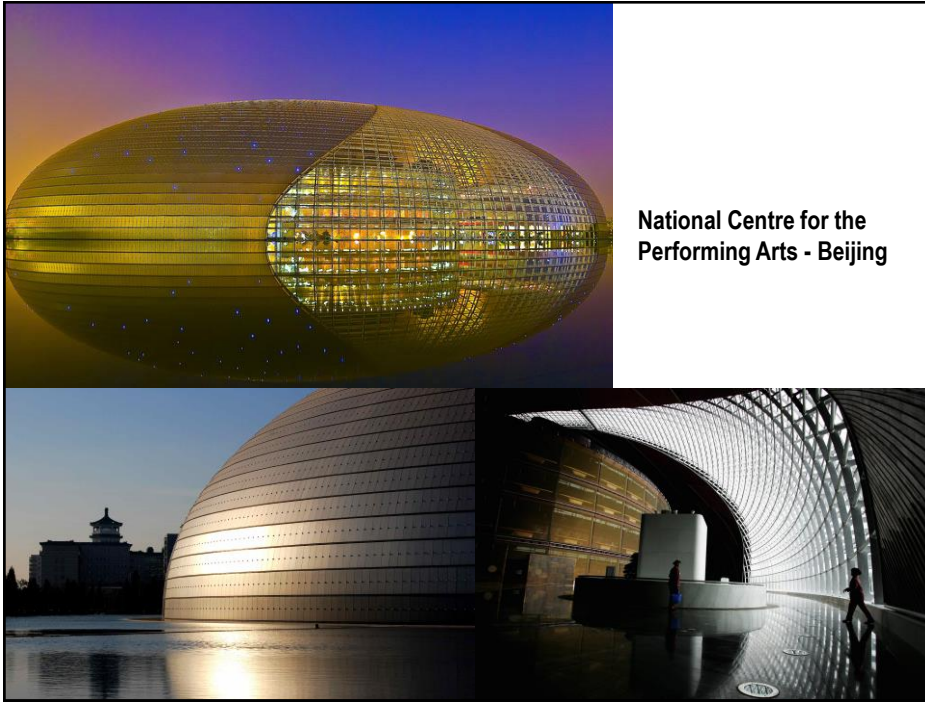
The Guggenheim Museum - Bilbao

EDIFICE



Louis Vuitton Foundation - Paris

EDIFICE



National Centre for the Performing Arts - Beijing

Sustainable Facades – Resulting in Classical Facades



Facade – Green for green's sake

EDILECF



Sustainable Facades - Creating Iconic Structures

EDILECE



Facade – As a response to nature – Design Solution and Methodology

E D I E I C E

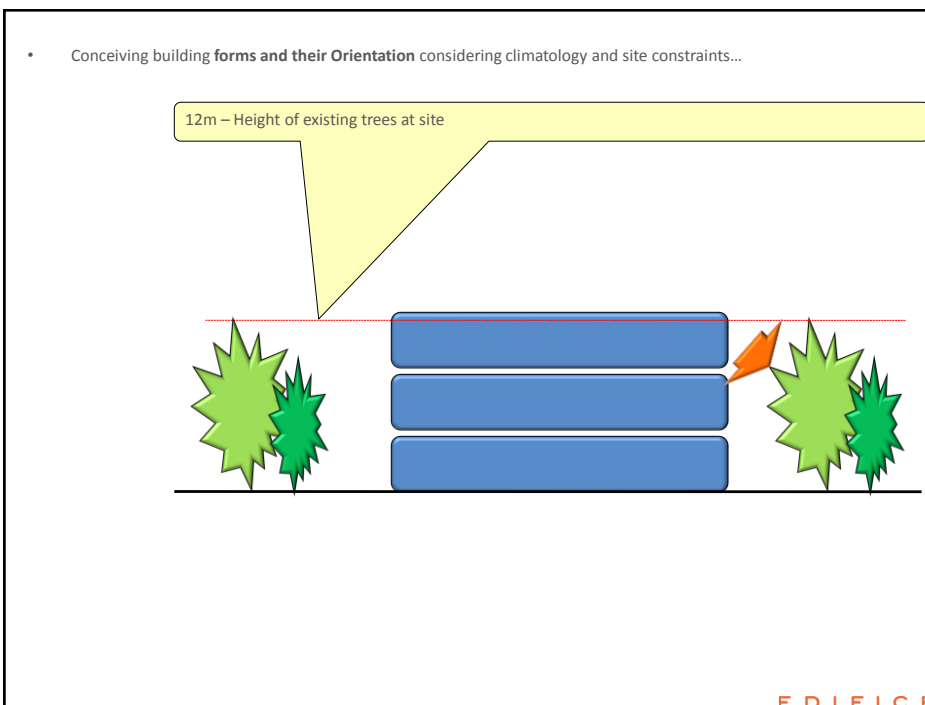
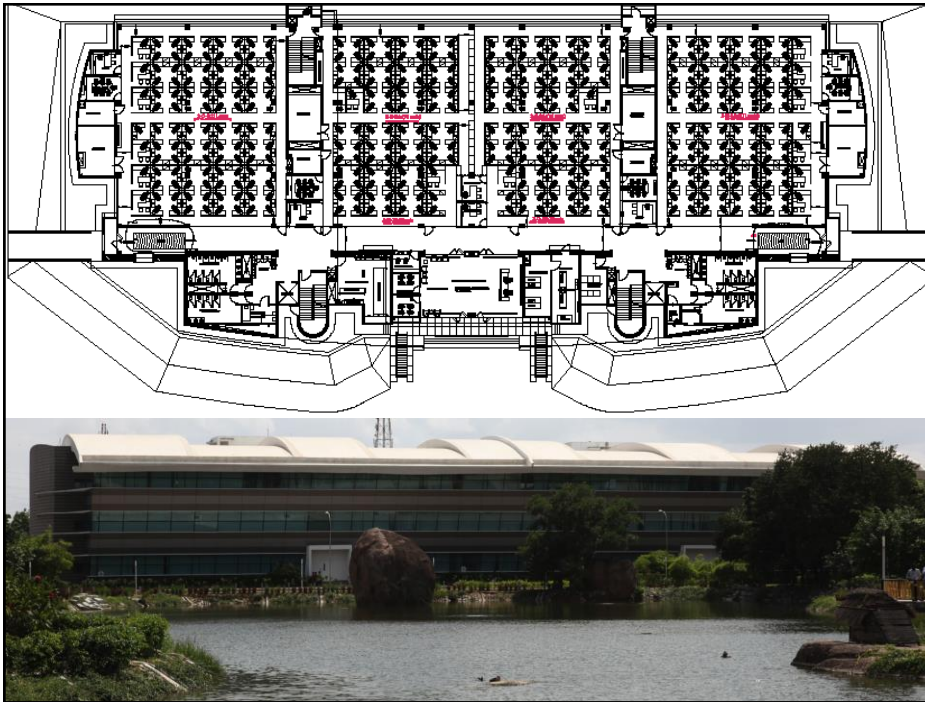
Case Study – TCS Synergy Park

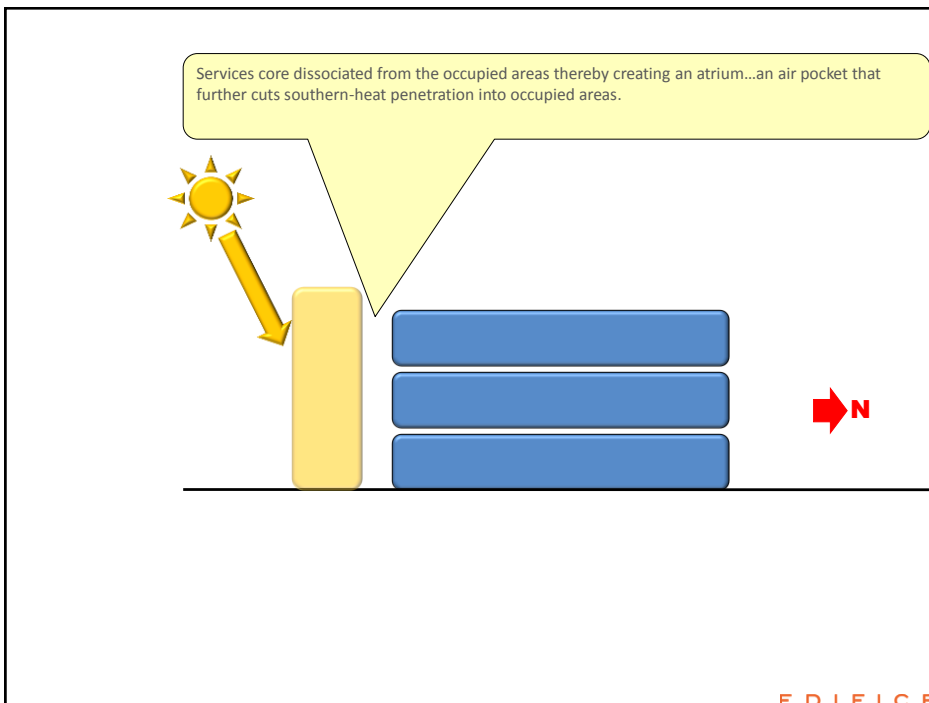
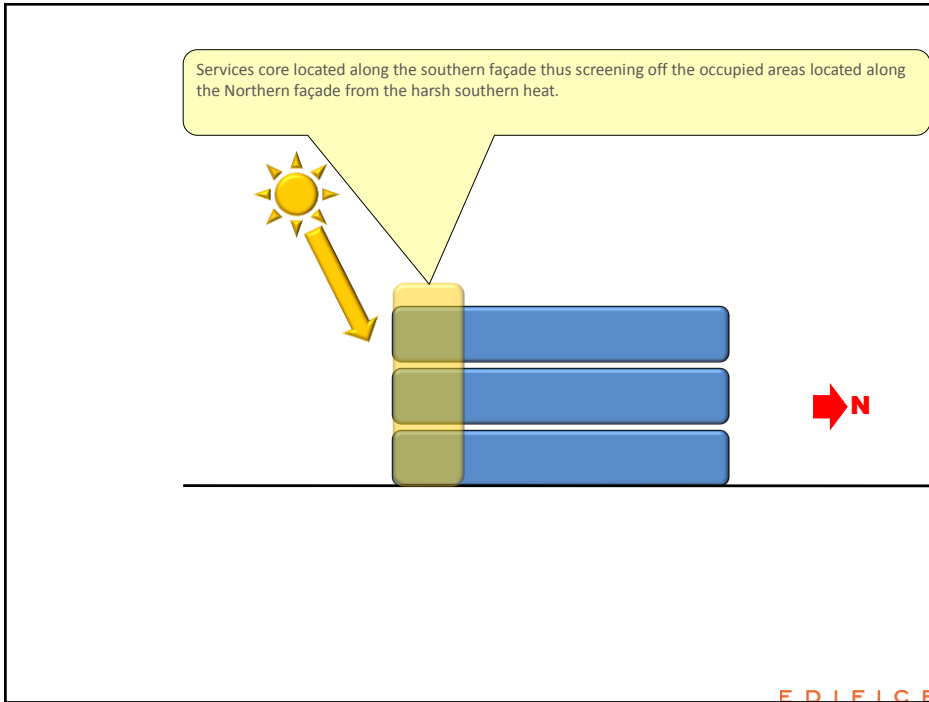
E D I E I C E

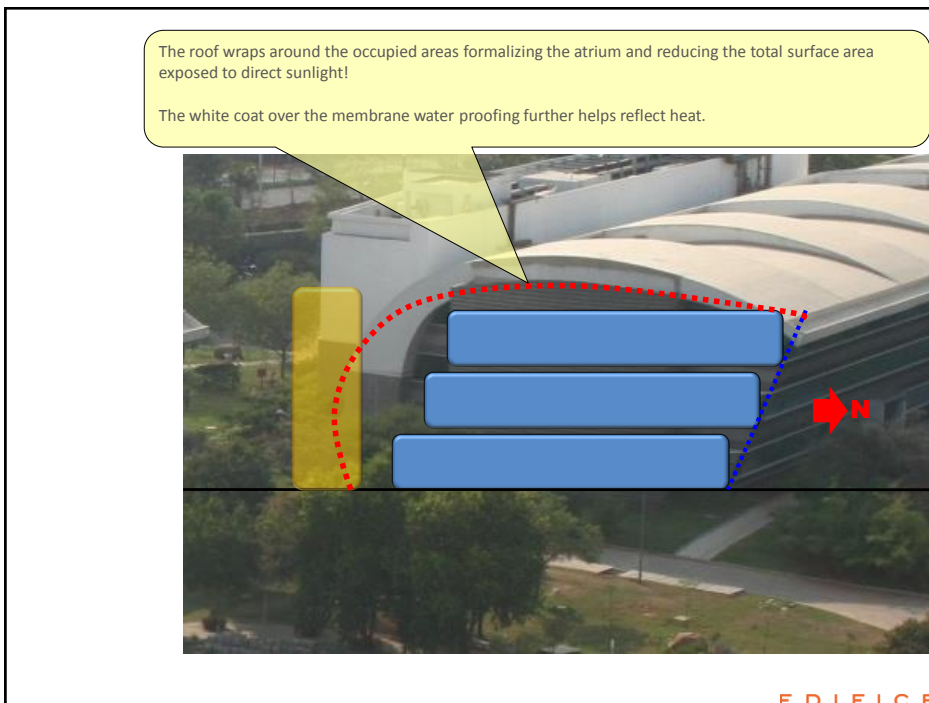
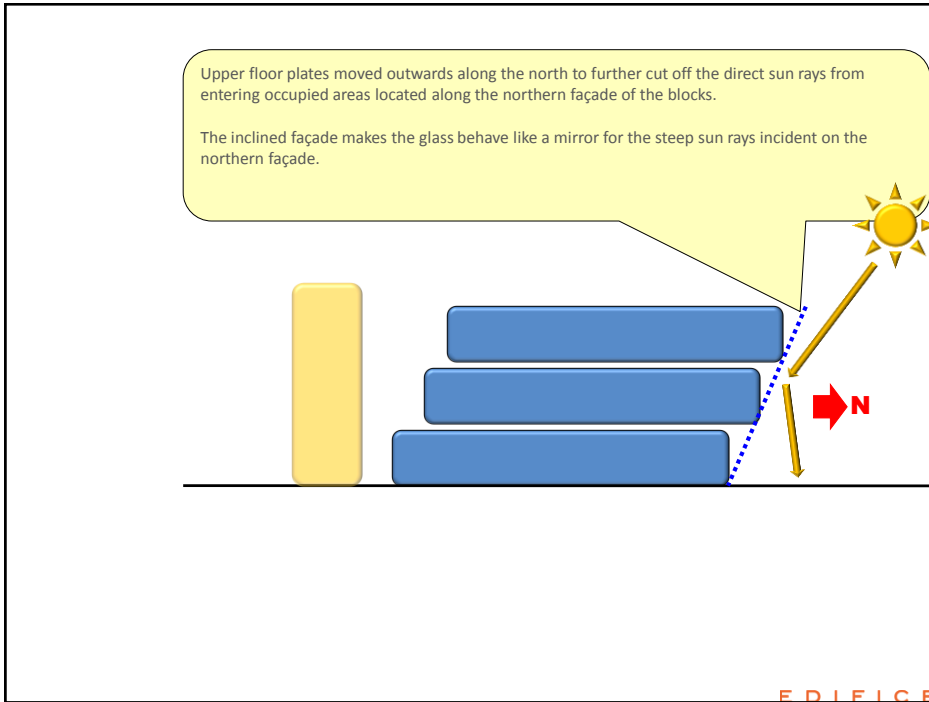
TCS- SYNERGY PARK

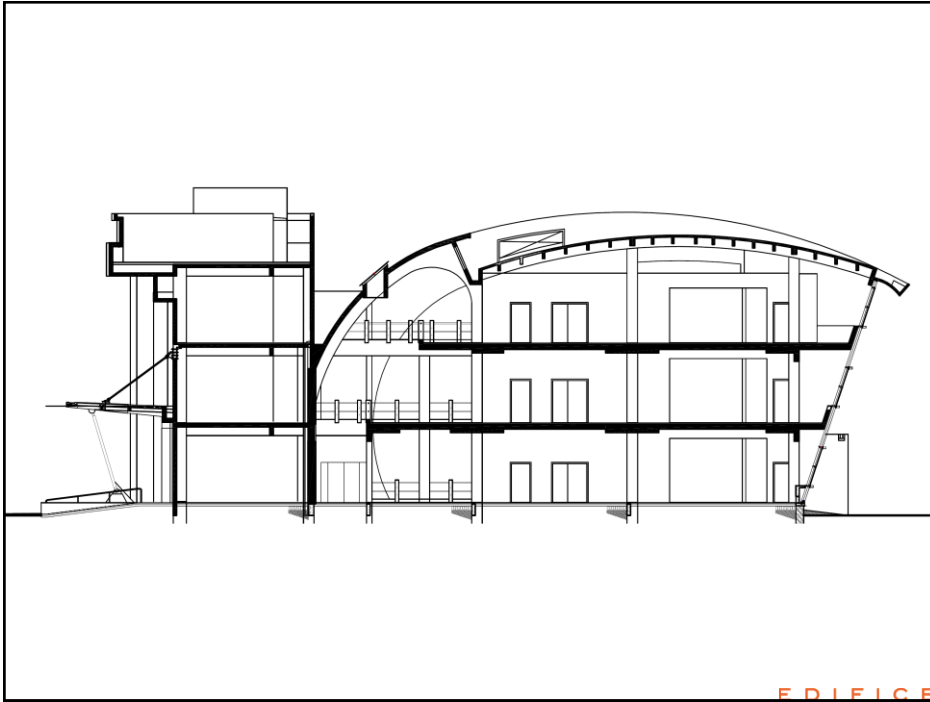
LOCATION
Gachibowli, Hyderabad
CLIENT
Tata Consultancy Services Ltd.
AREA
Plot area- 67 acres
BUA- 1,922,000 sq.ft.
STATUS
Completed in 2014
AWARDS
Really plus award in 2010 for phase 1
Aica Awards in 2014 for phase 2











North Façade...has the maximum glazing

E D I E I C E

The building has an exceptional glare free light that percolates into a substantial portion of the office space and hence artificial light is kept to a minimum along the central strip of the floor plate. This quality of light combined with reduced heat results in substantially lesser power consumption.



E D I E I C E



North Facade

E D I E I C E

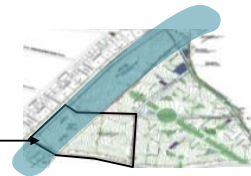
A catchment reservoir / mini lake was designed in the low lying area of the site. The harvested rain water was planned to be used for the water cooled system and for irrigation as well. Its perimeter was designed with informal sit-outs that doubled up as ideation spaces, and formed a vital landscape element with work areas overlooking the space.



Case Study - Infosys Indore

E D I E I C E

The Site



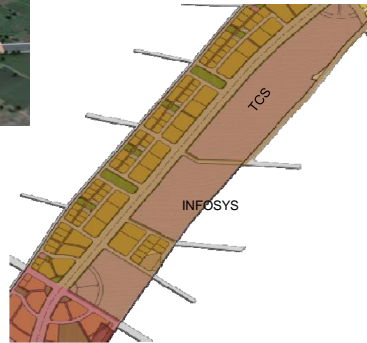
KEY PLAN

ZONE-2. The site comes in Zone-2 of the Super Corridor Master-plan. Total area of Zone-2 is 41.14 hectare



This Piazza near Infosys will act as a node for employees and visitors.

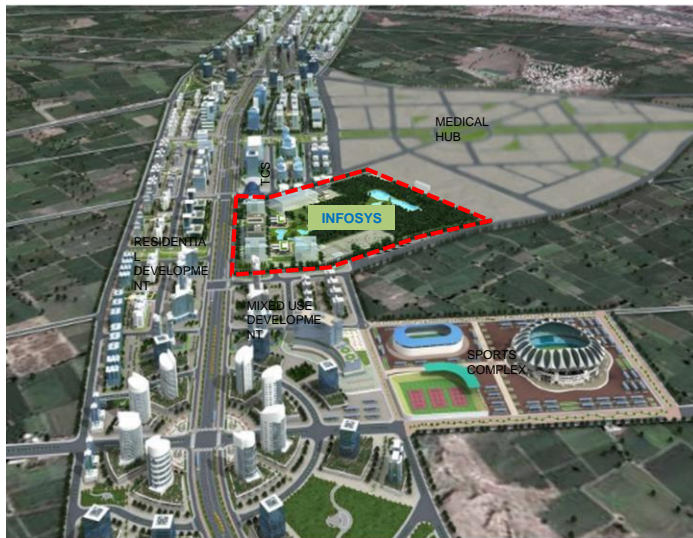
Location- Indore
 Plot Area- 130 acres
 Overall development BUA- 45,00,000 sq. ft.
 Utility- Software Campus
 Completion Date- Ongoing



Land allotted for IT Companies is shown as vacant. Rest of the plots are for residential and commercial development

E D I E I C E

Infosys Campus along Super Corridor:



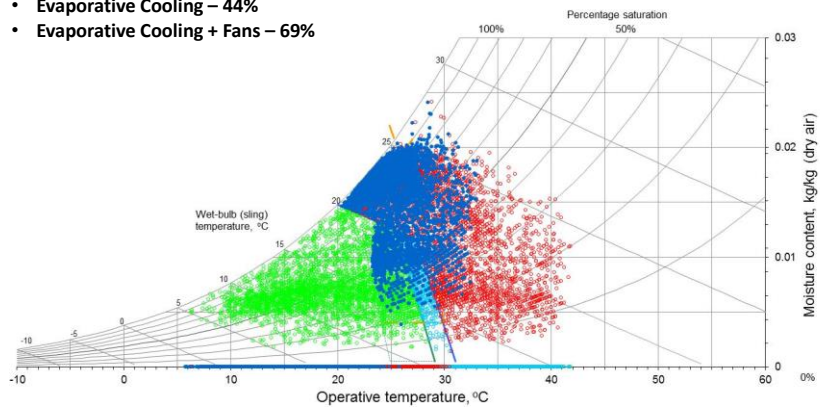
E D I E I C E

KEY CLIMATIC DATA COLLECTION THAT SHAPED THE MASTER-PLAN AND THE BUILDING DESIGN

EDFLECE

Climatic Study

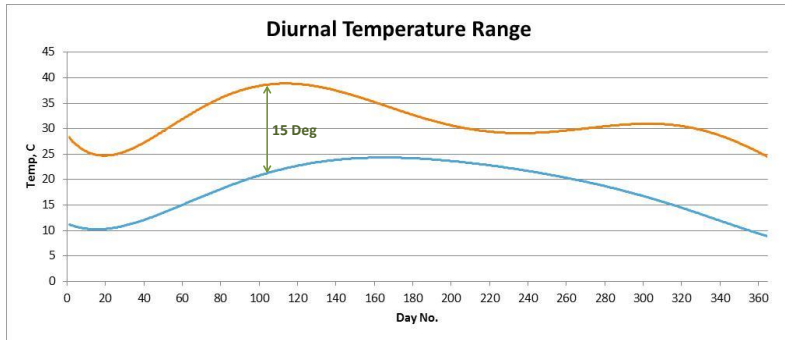
- Natural Ventilation – 24%
- Fans - 40%
- Evaporative Cooling – 44%
- Evaporative Cooling + Fans – 69%



EDFLECE

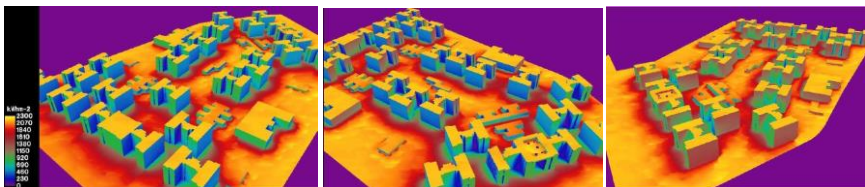
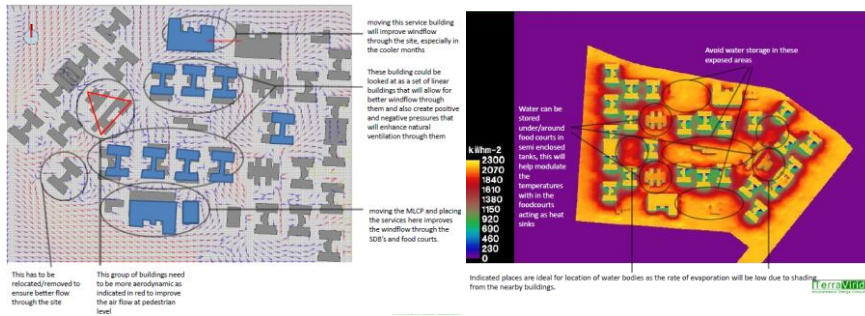
High Diurnal Temperature Difference

- Good potential for Night Cooling with Thermal Mass
- Stored water and thermal mass could be used as heat sinks in the day which would cool naturally at night



EDF I L C E

Zone Establishment : Irradiation & Wind flow Study



TerraViridis

EDF I L C E



SHAPING THE BUILDING DESIGN WITH A SUSTAINABLE APPROACH

ED|E|C|E

Ariel View:



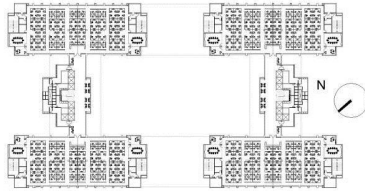
E D I E I C E

View of Software Development Block:

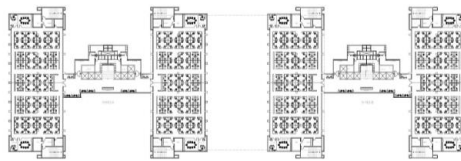


E D I E I C E

Comparison of Environmental Aspects – Option 1 & 2



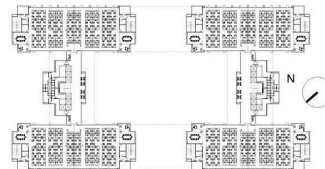
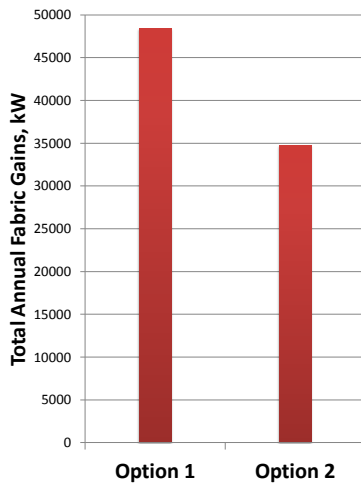
OPTION 1



OPTION 2

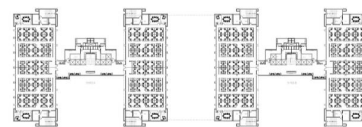
ED | E | L | C | E

Comparison of Environmental Aspects – Annual Fabric Gains



OPTION 1

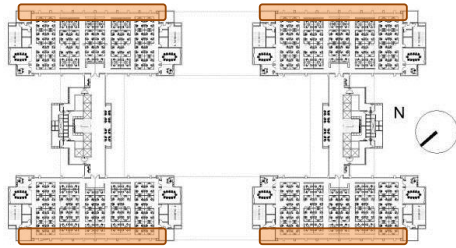
OPTION 1 HAS 40% MORE FABRIC GAINS COMPARED TO OPTION 2



OPTION 2

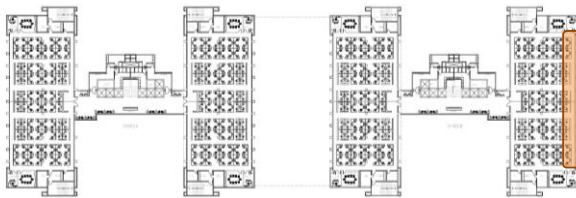
ED | E | L | C | E

Comparison of Environmental Aspects – Shading Requirement



FACADES THAT REQUIRE EXTENSIVE SHADING - OPTION 1

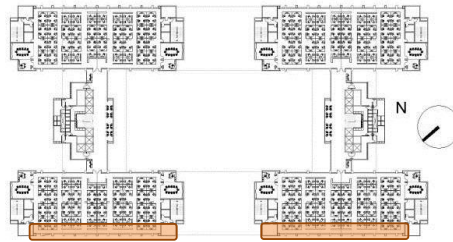
THE REQUIREMENT FOR SHADING IS LESSER IN OPTION 2 COMPARED TO OPTION 1



FACADES THAT REQUIRE EXTENSIVE SHADING - OPTION 2

ED | E | C | E

Comparison of Environmental Aspects – Option 1 Shading Options



THE HEAVY SHADING WILL COMPROMISE DAYLIGHTING TO AN EXTENT.

ED | E | C | E

