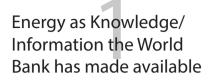
CENTRAL CONCEPT AS A SINGLE ORGANISIZING IDEA THAT WORKS ON MULTIPLE SCALES

"OFFICE AS A MEDIUM FOR THE TRANSFERENCE OF ENERGY"



Energy as environmental factors such as Sunlight, Wind, Radiation.



ANALOGIC INFORMATION FROM A

THERMODYNAMIC APPROACH

CONCEPTUAL DEVELOPMENT

Considering environmental factors to maximize indoor quality and minimize negative impacts on the natural environment through the use of renewable resources.

Improve the way it shares knowledge and engage with clients and the public & How to bring the operations closer to client governments and communities.

States of Matter

Like the states change phases,

the building's

hierarchal order also moves from highly concentrated at the top

(offices) to low

concentration

(public)

Solid, Liquid and Gas

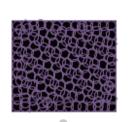
3 A thermodynamic system is separated from the environment by a boundary layer through which only energy and matter can pass.

EDG

Low Flow Faucets

OFFCEAS

Use of Low flor faucets in all washrooms



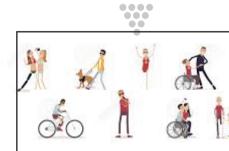
Solid: Heavy Concentration, little movement, confined to office space



Liquid: Medium Concentration, little movement, not confined

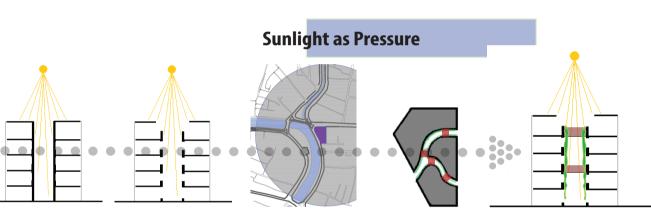






Gas: Low-No Concentration,

alot of free movement



Sunlight as pressure fills a

Rivers of light have bridges, and vegetation as a solar shading device.

Rainwater Harvesting

50% of Roof area used for Rainwater Harvesting

Sensors

Use of occupancy sensors in bathrooms, conference rooms, etc.

Low-E Glazing

Use of Low Emissivity Glazing to windows

Pressure causes a material to force itself out of a confined position

Radiation

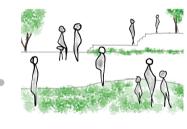
 section between two walls and enters the building.



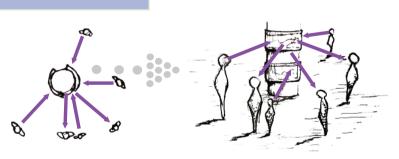


Activities that have a high flow of people between them are in "conduction" and must be placed close to each other





Activities that have a low flow of people between them are in "convection" and could be placed farther apart



LCD Screens can be placed in designated areas in the building, so users have a real time source of information concerning World Bank projects and other related information

Atom

direct, to think of information/knowledge as radiation so that it can be directly transferred.



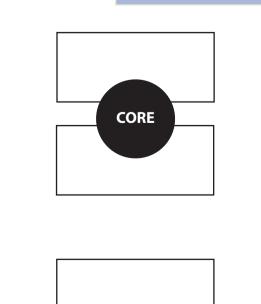
The atom has two main parts, the inner core(protons &

nuetrons) and the outer electron shells. The inner core is stable and strong, it requires alot of heat energy to break it apart. Heat always affects the outermost

electron shell at first. The electrons are free to be removed from the atom the

farther away they are from the core.

In raadiation, heat transfer is



The World Bank office building will retain this characteristics, The core of the building will be the position of the the office itself, most of the movement being on the lower levels, the highest movement being the furthest away from the office.

External Shading Devices

Use of External Shading Devices to every facade

Solar Energy

More than 50% of roof area used for solar photovoltaics

52.89%

CO

