

https://youtu.be/gMVvpovqa9w





Pakistan's First *Eco-Sustainable* City with *Smart Progression*



Presentation Contents



Land Holdings

2Location

Strong Associates

Sustainable Concept

5 Smart Progression Green Living

Dynamic Design

S Amenities **Our Offerings**



Meaning Of MIVIDA

Combination of two Spanish Words "Mi" & "Vida" meaning My Life | My Love | My Everything | The Thing I Most Love in My Life

• • • • • • •



Khanial Builders (Pvt) Ltd In association with Mivida Developments (Pvt) Ltd





The Venture with a Conscience!

A unique Combination of Well Established Developers and Seasoned Land Owners that brings forth a comprehensive Urban Development

With vibrant, eco- sustainable, smart and green housing lifestyle that provides a range of Residential, Commercial and Resort Living facilities set in the lush green haven of the Capital Islamabad City's luxuriance, served with plenteous high-end amenities and futuristic infrastructure





Largest Land Holdings of the Twin Cities with upcoming Mega Expansion Plans

- More than 50,000 Kanals of compact land available
- With Further commitments / expandable up to more than 100,000 Kanals
- Phase -1 Designed & Planned at 12136 Kanals (1517 Acres)





Unmatched Location

- Right at the Apex of Major Up-coming Developments in the Capital City Expansion Plan.
- 4.5 Kms frontage at M2 and 2.25 Kms at Chakri Road.
- 10 minutes drive from the New Islamabad International Airport and 5 minutes from Rawalpindi Ring Road.
- Right at CPEC Route.
- Abundant under soil drinkable & usable water availability.
- •Beautiful landscape combined with the ever lush green Margalla Hills offering the most serene living experience.



LOCATION MAP



Master Plan at Google Earth





Master Plan at Google Earth





Master Plan (Rendered)







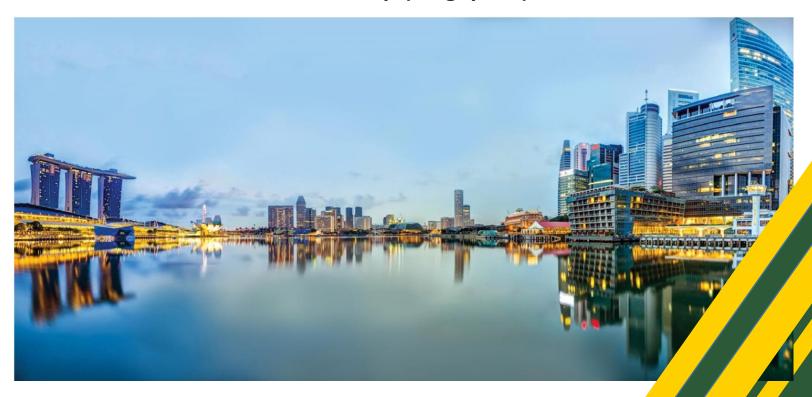




ALLIANCE

Town Planners – Meinhardt Group (Singapore)





World Largest Independent Engineering Firm by Revenue :

Established since 1955, and with over 51 offices worldwide & 4500 employees, Meinhardt has come forward with their proficient engineering excellence in master planning and development for an Environmentally stable civil and structural design & architecture.

(https://meinhardtgroup.com/)



ALLIANCE



Contractors – Banu Mukhtar



Pakistan's Leading Construction Company:

Established since 1964, Banu Mukhtar is one of the leading construction groups of Pakistan. They are following the most modern internationally acceptable standards. With multiple reputable projects of national significance in their credit, quality and on-time project delivery are their hallmarks. MIVIDA Pakistan, being the first eco sustainable city of the country has joined hands with Banu Mukhtar as they are specialist in developing Eco Sustainable projects in Pakistan. (https://banumukhtar.com/)





A Global Agenda!



SUSTAINABLE DEVELOPMENTS UNITED NATIONS AGENDA

THE FUTURE IS NOW

SCIENCE FOR ACHIEVING SUSTAINABLE DEVELOPEMNTS

Latest



SDGs - SUSTAINABLE DEVELOPMENTS GOALS





SDGs - SUSTAINABLE DEVELOPMENTS GOALS





0 8

HOME SDGS HLPF STATES UN SYSTEM STAKEHOLDERS TOPICS RESOURCES SIDS PARTNERSHIPS ABOUT **Helping governments and** stakeholders make the SDGs a 15 reality 14 13 5 SUSTAINABLE DEVELOPMENT GOAL 7 Ensure access to affordable, reliable, sustainable and modern energy for all 641 192 publications targets partnerships documents

SDGs - SUSTAINABLE DEVELOPMENTS GOALS









































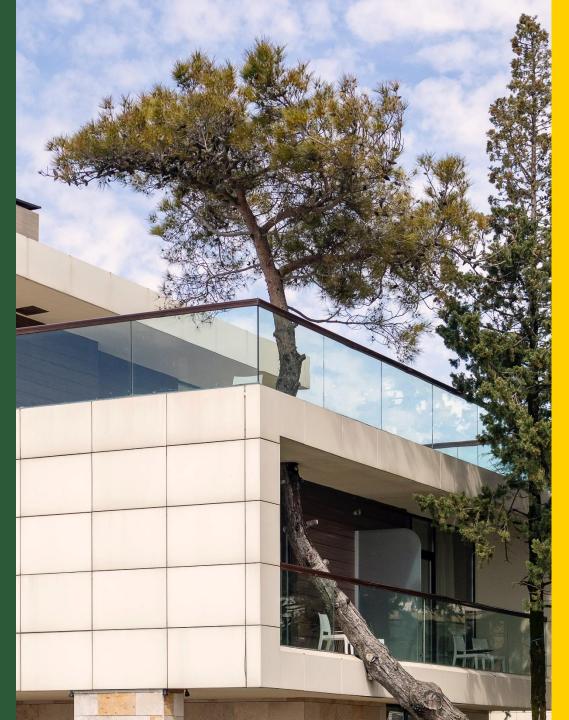
https://sustainabledevelopment.un.org/sdgs



The Only
Eco-Sustainable City
In Pakistan



What meets the needs of the present without compromising the ability of future generations to meet their own.





Holistic Integrated Planning Approach for Sustainable Infrastructure







ENERGY Sustainable strategies:



ENERGY SAVING:

Avoid unnecessary energy consumption

SYSTEM EFFICIENCY:

Increase efficiency in generation, conversion, distribution, etc.

USE OF RENEWABLE ENERGY SOURCES:

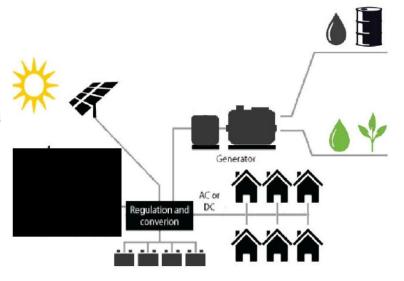
Increase renewable energy use

MINIMIZATION OF FOSSIL FUELS IMPACT:

Minimize impact of conventional-fuel energy generation

Design strategies:

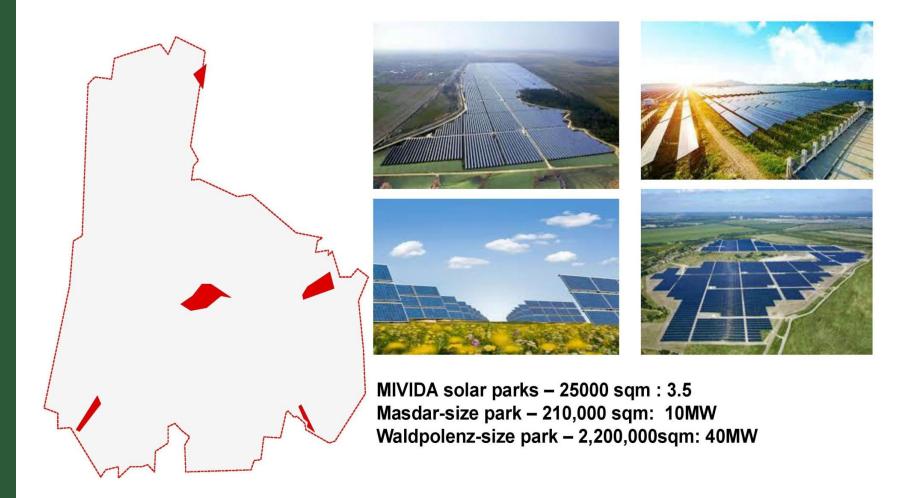
- Introduction of mixed sources system of electricity generation - Smart grid
- Use of renewable energy sources both in public and private sectors
- Minimization of energy demands both from buildings and infrastructure
- Mitigation of heat island effect by providing heat sinks at strategic locations, shading from trees/building, efficient planning to benefit from prevailing winds.





SOLAR PARKS

Holistic Integrated Planning Approach for Sustainable Infrastructure







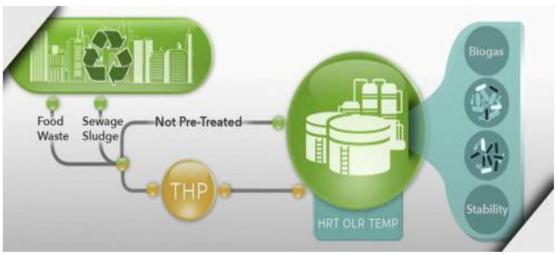


Bio Gas Waste Management

Solid waste and sewerage Slag mainly comprises of Organic waste. Proper Management of organic Waste helps to minimize Solid waste problem by Introducing Bio Gas plants to Mivida Pakistan for Management of organic Waste in Solid Waste Management







SUSTAINABLE STRATEGIES MIVIDA Sustainable City Energy Infrastructure should include renewables



MITIGATION OF HEAT ISLAND EFFECT

Urban heat islands" occur when cities replace natural land cover with dense concentrations of pavement, buildings, and other surfaces that absorb and retain heat. This effect increases energy costs (e.g., for air conditioning), air pollution levels, and heat-related illness and mortality.

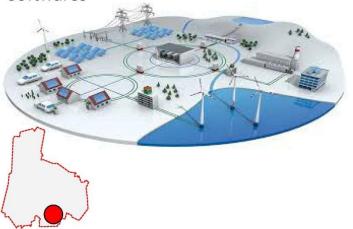


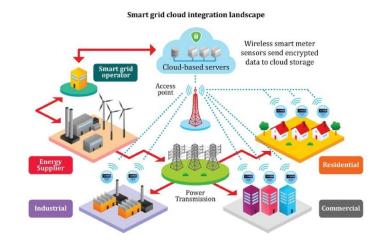




SMART GRID

The **smart grid** uses computer technology to improve the communication, automation, and connectivity of the various components of the power network. This allows -- as an example -- for bulk transmission of power gathered from multiple generation plants, solar bio plant service providers and renewable energy product from homes using SCADA system softwares









Water Strategy





WATER



WATERSHED MANAGEMENT:

Preserve long-term renewability and quality of water resources

WATER SAVING:

Reduce water consumption

WATER RECOVERY:

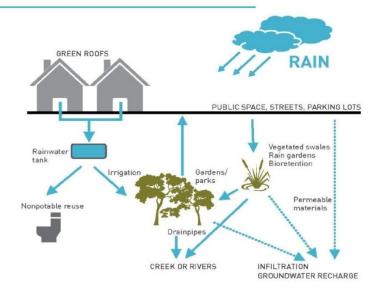
Water reuse with fit for purpose treatment

SYSTEM EFFICIENCY:

Minimize leakages

DESIGN STRATEGIES:

- Preservation of canals or nullahs and integration into the design
- Urban wet land lake for water storage
- Water conservation strategies and methods for economy in use of potable water
- Wastewater treatment and reuse
- Groundwater recharge



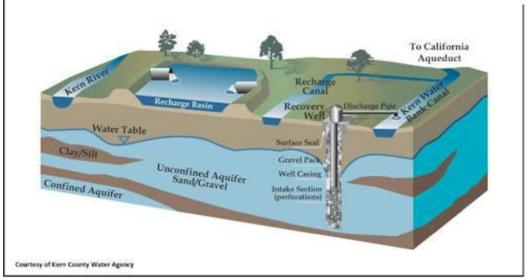


WATER RECHARGERS COLLECTOR PONDS







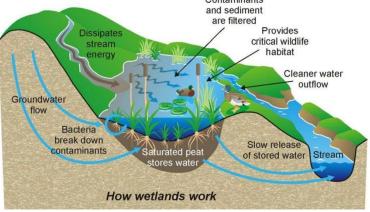




WETLANDS



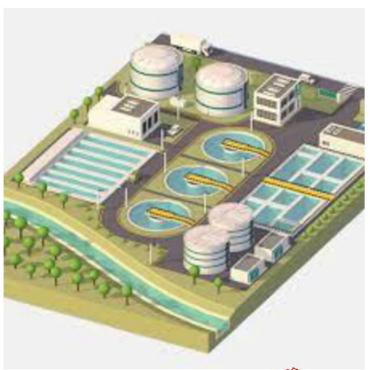






WATER TREATMENT PLANT (WTP)







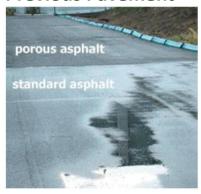


STORM WATER

MANAGEMENT INFRASTRUCTURE



Previous Pavement



Bio-Swale



Green Roof





GRAY WATER MANAGEMENT

at housing infrastructure



Several solutions exist for recycling and re-use of Gray water and waste water, at the house and Neighborhood level









WASTE WATER TREATMENT PLANT (WWTP)

Wastewater treatment is a process used to remove contaminants from wastewater or sew age and convert it into an effluent that can be returned to the water cycle with minimum impact on the environment, or directly reused. The latter is called water reclamation because treated wastewater can be used for other purposes. The treatment process takes place in a wastewater treatment plant (WWTP), often referred to as a Water Resource Recovery Facility (WRRF) or a Sewage Treatment Plant (STP).













WASTE



SOURCE REDUCTION:

Minimization of waste generation

REUSE: Further use of products in their original form or repurposing to extend their useful life

RECYCLING

Breaking down used products into materials

FINAL DISPOSAL /RESOURCE RECOVERY: Bulk reduction, nonrecyclable waste disposal through sanitary landfill and waste to energy conversion

Design strategies:

- 100% of waste produced in Mivada sustainable City Islamabad /Rawalpindi will be treated before final disposal produce bio gas
- Separate waste collection streams will be organized through community centers

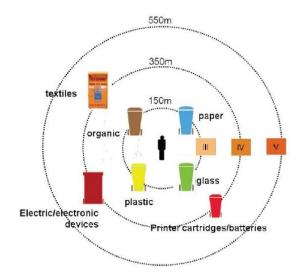






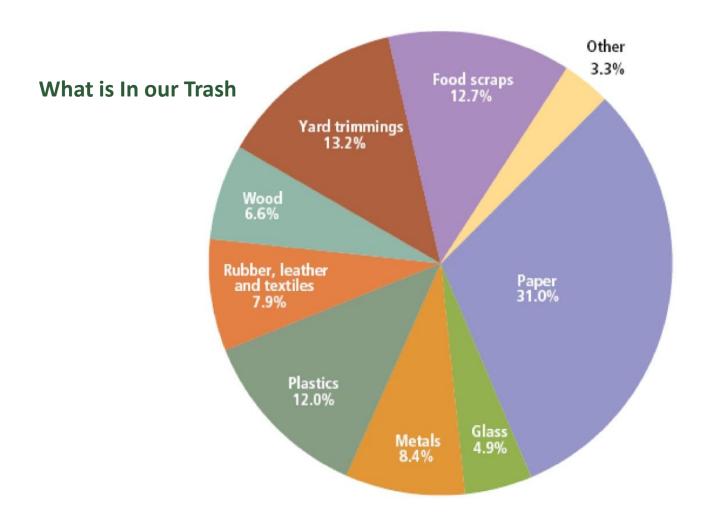








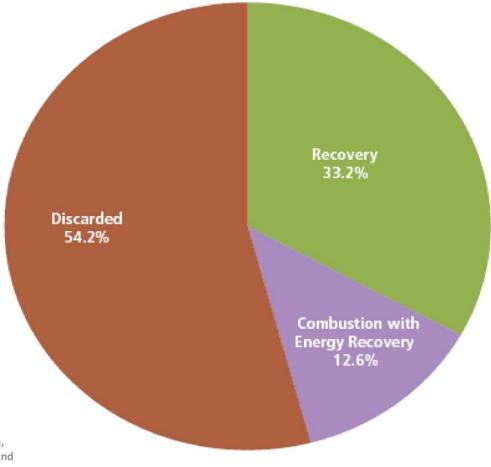
However, not all waste is the same...





And not all waste needs to be "wasted"



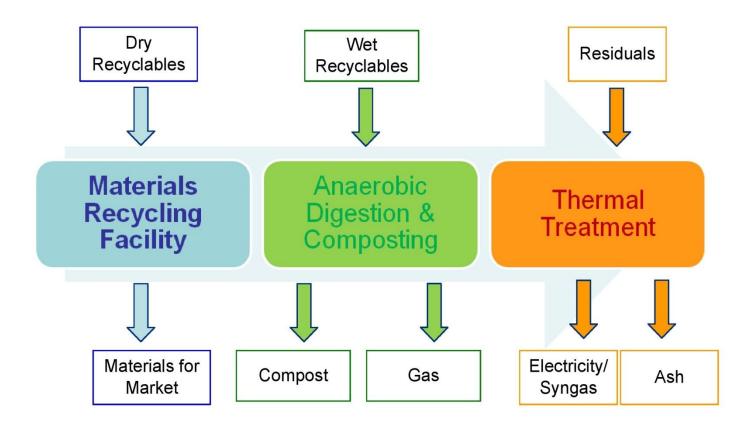


Source: USEPA, "Municipal Solid Waste Generation, Recycling and Disposal in the United States: Facts and Figures for 2008"



SUSTAINABLE WASTE MANAGEMENT & MATCHING INFRASTRUCTURE

Centralized Waste Management facility:







TRANSPORTATION



DESIGN STRATEGIES:

- Clear road hierarchy to secure appropriate function
- Variety of transportation modes, e.g. Shuttle services transit services, cycling
- Compactness for proximity
- Mitigation of heat island effect with shaded and planted areas
- Minimization of asphalt cover

UNNECESSARY TRIP REDUCTION:

Reduce length and occurrence of passenger and freight trips

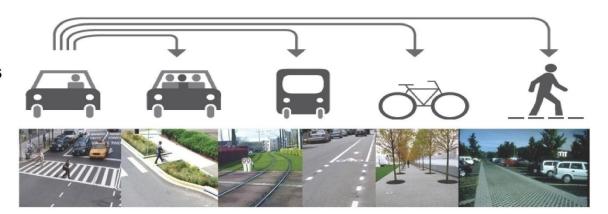
MODAL SHIFT:

Prioritize non-motorized and low-energy-intensity modes

SYSTEM EFFICIENCY: Improve functionality of infrastructure, users' behaviors, and efficiency of vehicles

MINIMIZATION OF FOSSIL FUEL USE:

Link transport fuel supply with renewable energy sources





MIVIDA Pakistan transportation

infrastructure will provide Multi-modal transportation solutions to minimize car use



From this







Landscape



LANDSCAPE



PRESERVE ECOLOGICAL INTEGRITY OF NATURAL AREAS:

Preserve biodiversity

RESTORE:

Rectify or compensate for habitat loss, degradation, and fragmentation

ACHIEVE SELF-SUFFICIENCY:

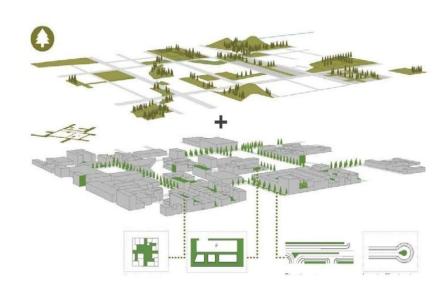
Minimize need for maintenance

CREATE NEW RESOURCES:

Increase "carrying capacity" of landscape's

Design strategies:

- Rainwater/ Storm water management
- Air quality improvement
- Carbon sequestration
- Water infiltration
- Creation of new habitats
- High quality recreation & accessibility





LANDSCAPE

How do we affect nature?



- We simplify
- We linearize, geometricize
- We attempt to control
- We reduce variability, adaptability
- We multiply, sprawl
- We pollute, contaminate
- We degrade patterns/processes
- We perforate, dissect
- We fragment, shrink
- We eliminate, impoverish
- We consume, over-consume



Rain Gardens

SUSTAINABLE LANDSCAPE STRATEGIES

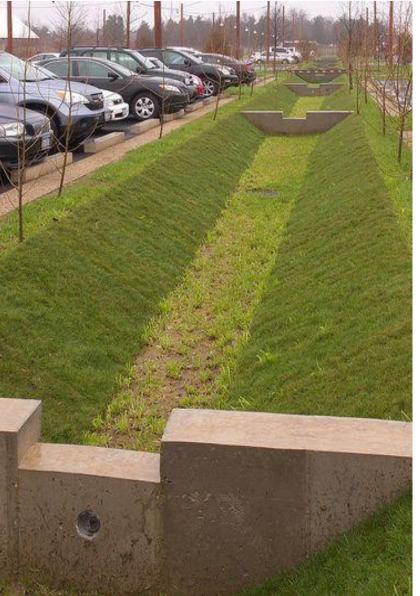




VEGETATED GREEN SWALES

SUSTAINABLE LANDSCAPE STRATEGIES









Eco-Sustainable Means

What meets the needs of the present without compromising the ability of future generations to meet their own.

&
 MIVIDA Pakistan
 is The First Ever
Eco-Sustainable Development





Smart Progression



SMART MIVIDA PAKISTAN

Developed as a well-designed highly

- Smart surveillance and security system
- Smart grid
- Smart metering and monitoring system
- Intelligent street lighting system
- Smart way finding
- Smart traffic management
- Smart parking
- Smart electrical car charging points and stations
- Smart waste management & garbage collection
- Smart file / hazard safety system
- Smart air pollution system
- Smart resident portals and platforms









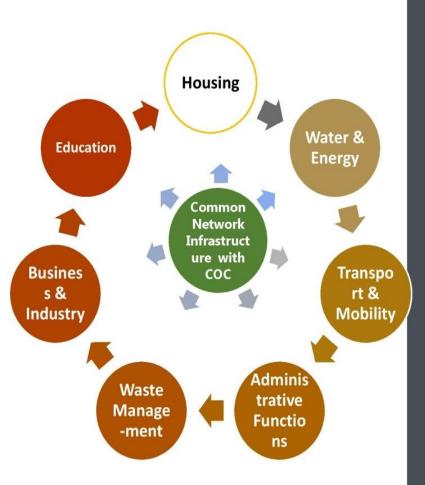




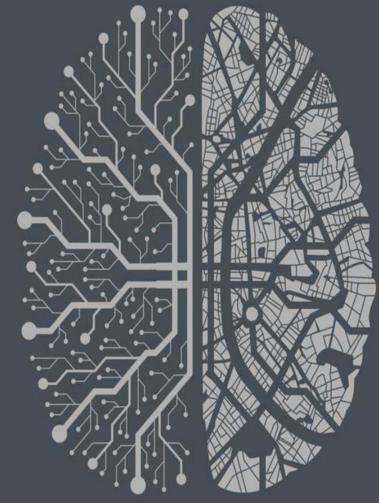


SMART VISION

Pillars of Smart City Framework







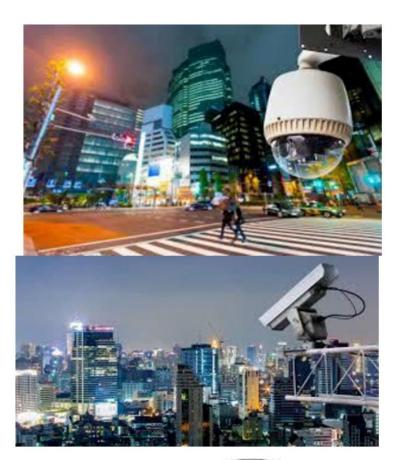
SMART VISION

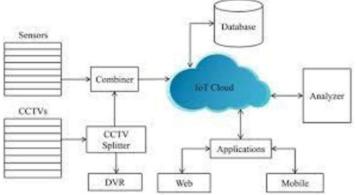
SMART SURVEILLANCE SYSTEM



Place Better Picture
Of Safe City & Security
Cameras



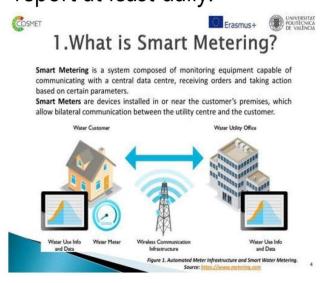


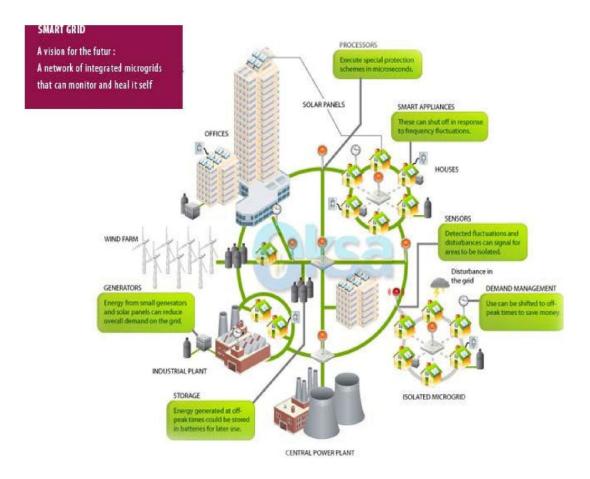


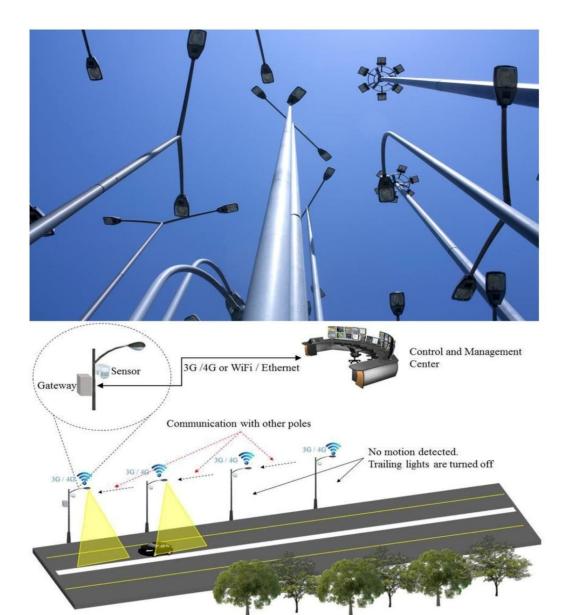
SMART METERING AND MONITORING SYSTEM



A **smart meter** is an electronic device that records consumption of electric energy and communicates the information to the electricity supplier for monitoring and billing. **Smart meters** typically record energy hourly or more frequently, and report at least daily.





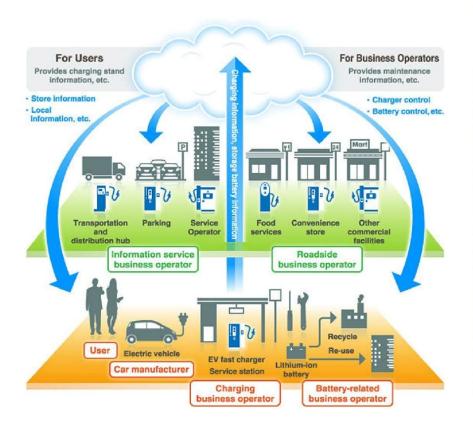




SMART STREET LIGHTS



SMART ELECTRICAL CAR CHARGING















SMART WAY FINDING





SMART GARBAGECOLLECTION



Back-end Virtual GPS Server Cellular Network Waste Management Application Cloud Internet On-Truck Operation Data Management Collection

Waste Management System Schematic







MOUs with Leading Agencies

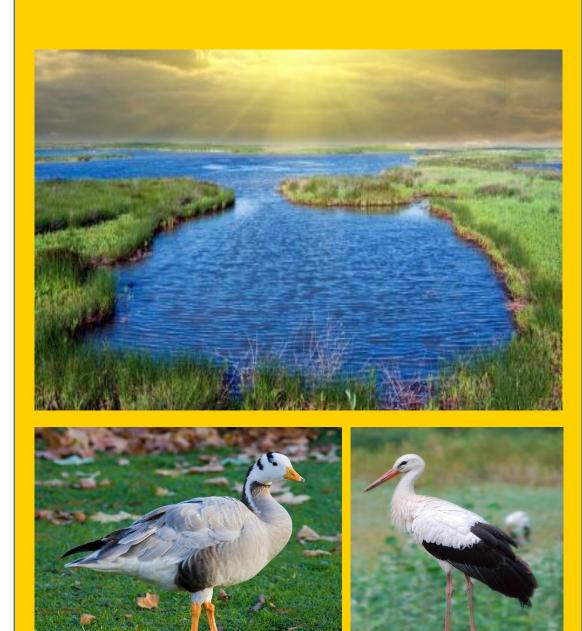








WETLANDS COMPLEX MANAGEMENT





Butterfly HouseSymphony of Nature



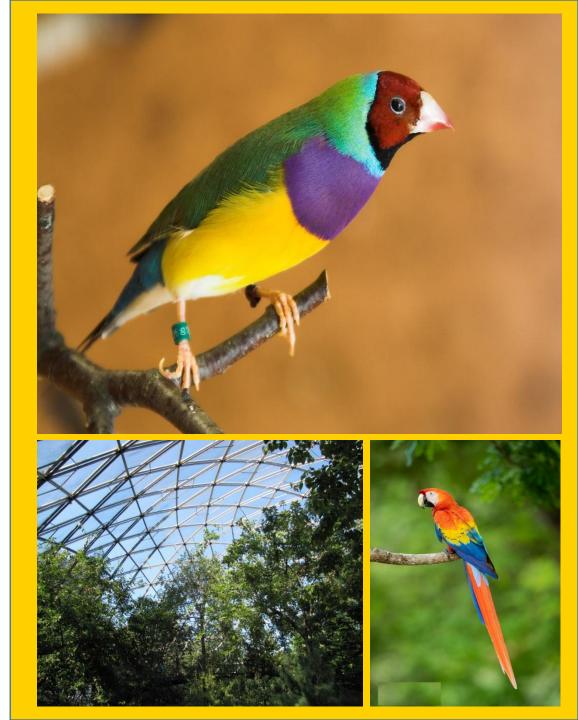






Bird Aviary

Aves are Angels Mivida Avian Park





Mivida Apex Aquaria



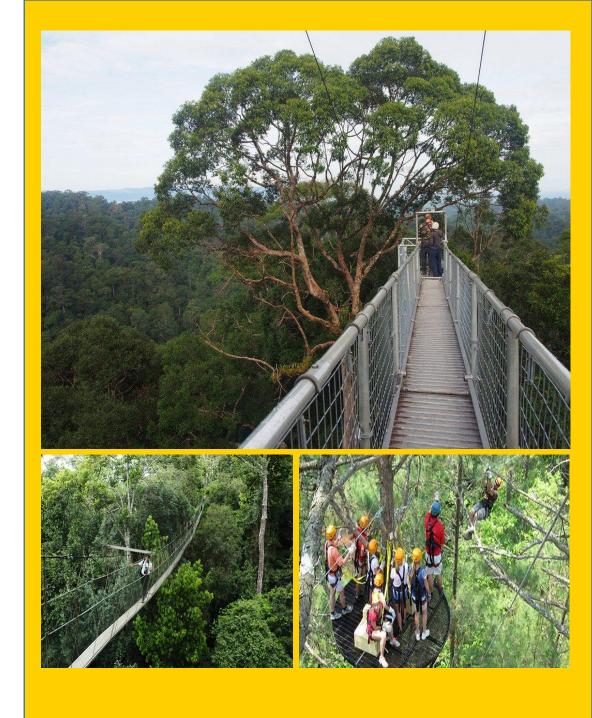






Tree Top Walkways

For Tree Enthusiasts





Mivida Museum of Natural History









Mivida Pet Services









AgricultureTourism Camp

BOTANICAL GARDEN CONCEPT AT ECO-TOURISM COMMUNITY



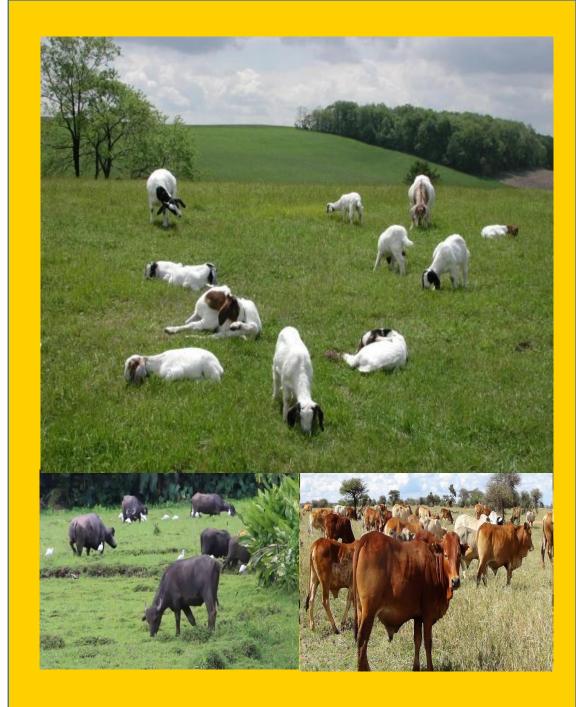






Mivida Dairy Products

The Evolutionary Perspective





Tissue Culture Lab

Disease free **Vegetables & Fruits** for everyone.





Real Organic Approach Health Assurance









First ever Degree in Eco Cities



MSc Eco-Cities







HYBRID Master Plan

Customized & Handmade









Unique Dynamic Design

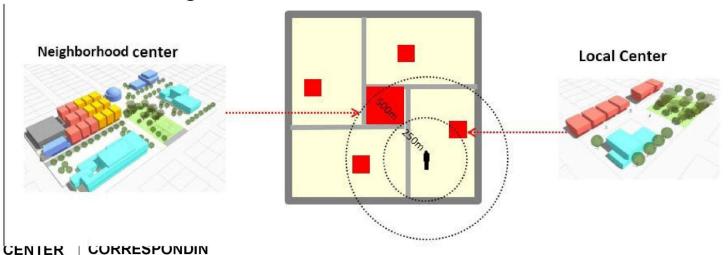
Most promising and livable master plan of current era providing all desired and promised amenities in a grand scheme of services

|Macro Level



Residential COMMUNITIES and sub Community for self-sufficiency

- Max 250 m walking distance from houses to neighborhood center
- Max 500 m walking distance from houses to local center



| CENTER | COKKESPONI | אוכ | |
|------------------------------|------------------|---|--|
| TYPE | G AREA | USES | |
| Neighborhoo d Center | Neighborhoo d | Kindergarten, shops, public green space, playground | Shoos Public green |
| Local Center | Subsector | Primary School, shops mosque, health neighborhood civic center, public greet | n space |
| Selected local centers | Sector | Commercial center, College public information center, coffee shop/restaur piazza and mosque, sport facilities | ant, Shops mosque Healit clinic Civi center blic green space |

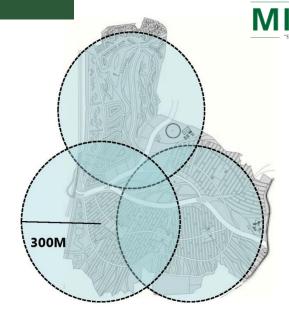
CREATION OF NEIGHBOURHOOD CENTERS

Creation of attractive & practical Neighborhood Centers "Markaz's" to provide ease and adjutancy from each home

- to neighborhood Mosque
- to neighborhood Commercial area
- to neighborhood School
- to neighborhood Park &Playground
- to neighborhood Community facilities

All these activities shall be within 10-15 minutes walking distance



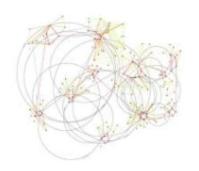






THE CITY AS A SINGLE ENTITY





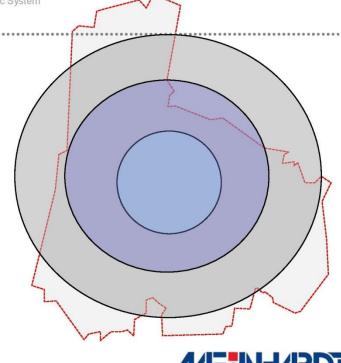






An Artificial Integrated System

- a holistic entity ... the new city depends upon a harmonious smart network of systems
- interdependent integrated systems of built and natural environment
- livability and long term sustainability
- reflects the values of a progressive community
- ·Hybrid planning





NUCLEI









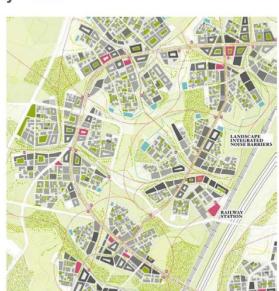


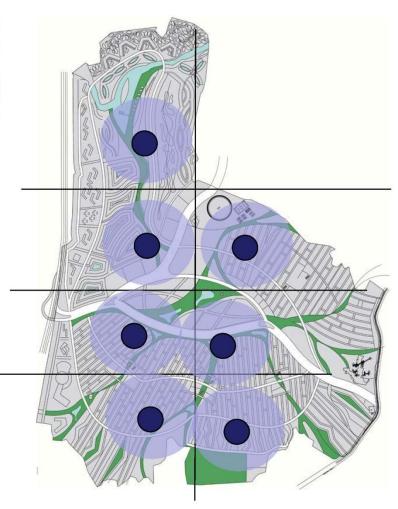


Multiple City Centers nuclei

Scaling the greater environment through the introduction of multiple city centers

- 1. eco city
- 2. Education CITY
- 3. Business city
- 4. Golf Club & Lake city
- 5. Administrative & Amenity city
- 6. Outlet & Shopping Malls
- 7. Retail Commercial Zones
- 8. Sports city
- 9. Neighborhood Markaz
- 10. Farmer Markets

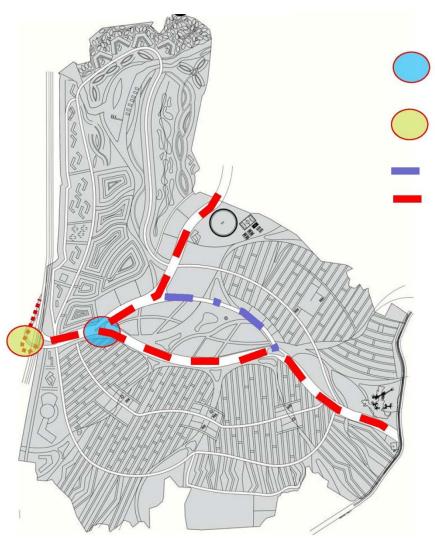








SINGLE FREE CORRIDOR









Signal free corridor



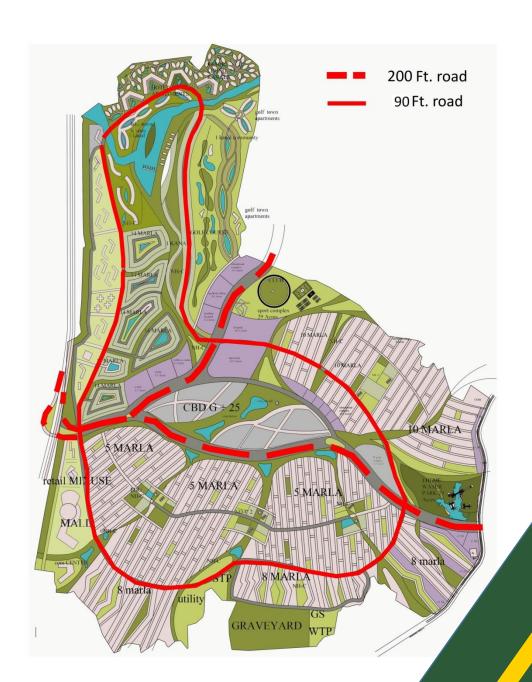




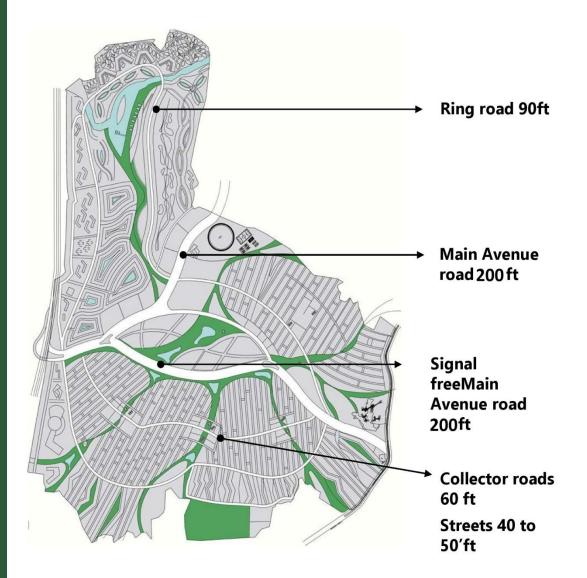




Ring Road
all Around
the Project
for Fast Access

















CIRCULATION & TRANSPORT

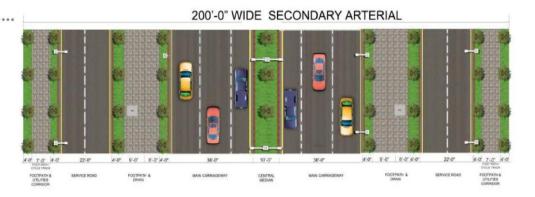


Arterial Roads | Metro | Bicycle | Walking

Collector Roads | Bicycle | Walking

Local Streets | Bicycle | Walking

Circulation & Transport









CIRCULATION & TRANSPORT



Arterial Roads | Metro | Bicycle | Walking



Collector Roads | Bicycle | Walking



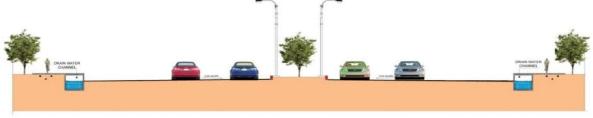
















CIRCULATION & TRANSPORT



Circulation & Transport









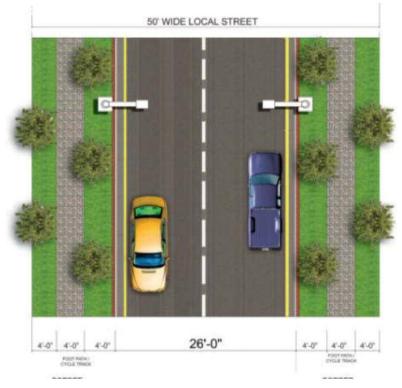
CIRCULATION & TRANSPORT



Circulation & Transport











60 feet wide road 1 Kanal houses view







40 feet wide road 10 Marla houses view



PLANNING STARTEGIES



Green Areas

Preservation of existing canals and enhancement as form a network of open space throughout the site.

High-quality parks and open space scattered across the site with activity zones including clubs ,sport facilities , outdoor markets , water retention ponds and water channels











MIVIDA

GREEN SPINE CONCEPT COMPONENTS









- GREEN 'SPINE as 'green belts'
- situated between the multiple centers
- facilitating public gardens, open space, water and for transit transport, as well as future growth zones





PEDESTRIAN NETWORK













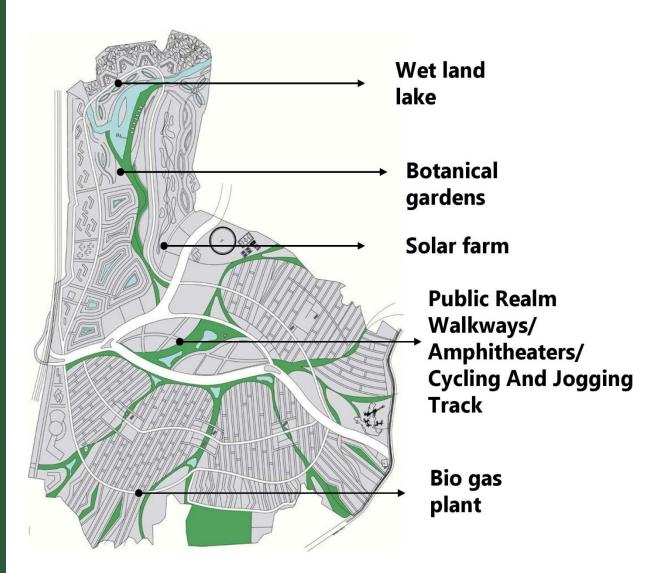








GREEN SPINE UTILIZATION







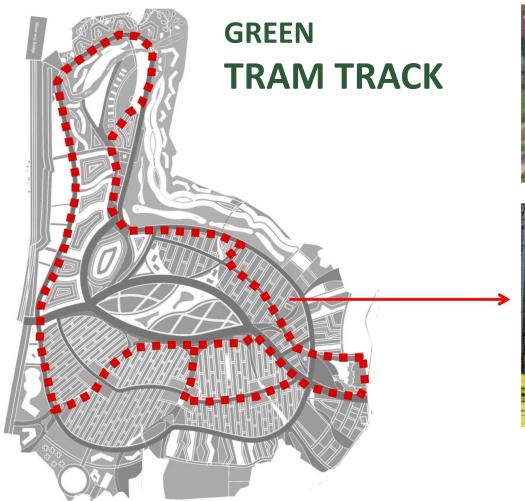




















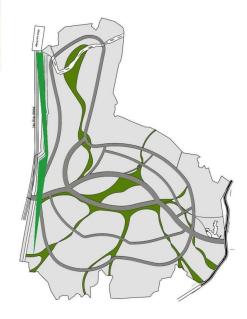






GREEN BUFFER

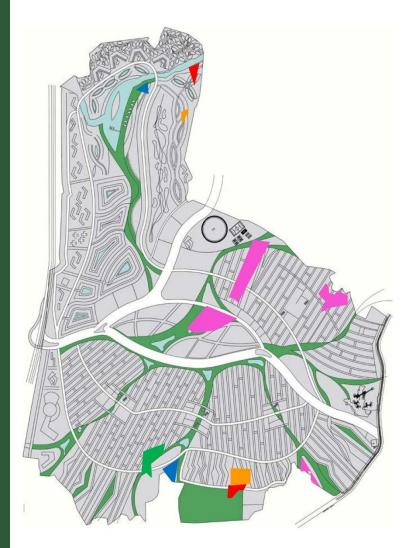
- Green ribbons are 'green belts'
- Situated between the multiple centers
- Facilitating public gardens, open space, water and flood management zones, as well as future growth zones







UTILITIES FRAMEWORK























AN INTEGRATED COMMERCIAL & ENVIRONMENTAL FRAMEWORK



MIVIDA SUSTAINABLE CITY ISLAMABAD

ECONOMIC ZONES

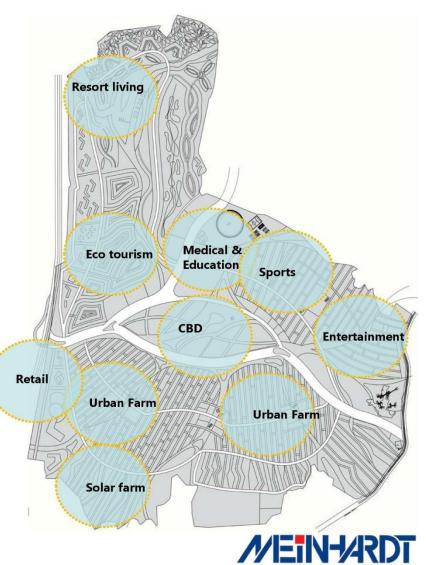




Major Economic Zone

Attributes to be distributed conveniently

- and grouped strategically
 1. Medical community
- 2. Education
- 3. Theme park
- 4. Resort living
- 5. Business District's
- 6. Retail
- 7. Commercial Mix use
- 8. Eco- Tourism



ZONING













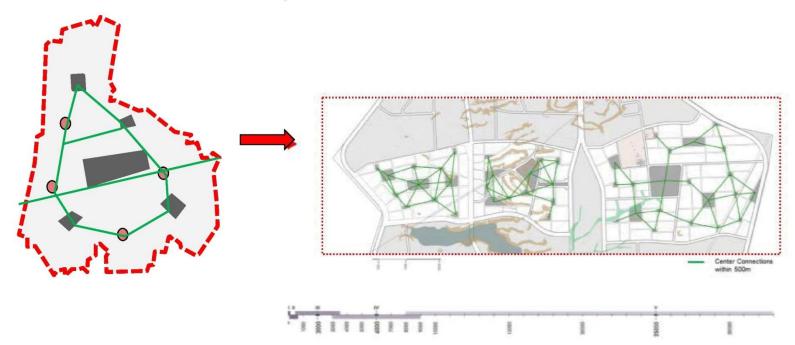
PLANNING STRATEGIES



CITIES WITHIN THE CITY

Residential areas will be planned to function as autonomous but still interconnected units, with multiple local centers, being self-sufficient in terms of everyday facilities and basic services.

A network of cities within a city

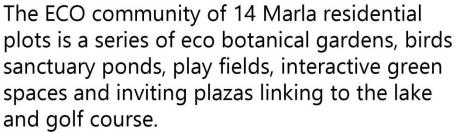




ECO-COMMUNITY















MEDICAL COMMUNITY





Mivida development provide a one stop smart solution and is equipped with one of the best medical and educational services in the area with a fully functional University, medical college, educational complexes and sate of the art 500 bed hospitals and wellness center with a network of best schools and colleges functioning within the development





GOLF COURSE COMMUNITY





The golf community of one Kanal luxury villas uplift the residential lifestyle experience with 9 holes 40 acre golf course scenic views of Lush greenery and vegetation and served by ample amenities and high quality landscaping.







SPORTS COMMUNITY







The Sport and fitness Community of 10 Marla luxury and apartments is equip with an international Cricket Stadium, Gyms, indoor and out door sport complex with an Olympic size swimming pool, tennis football, basketball, Cycling track, squash, gymnasium, fitness centers, spas and start of the art Buggy racing track.

This community can hold any international sport event with all the sporting facilities.





RESORT COMMUNITY





In MIVIDA the resents can enjoy for the first time in Pakistan a resort style peaceful and secure living with access to a fresh water lake with boating and fishing club, hotel apartments resorts, an international golf course, bird sanctuary, botanical gardens, organic fruits and vegetable gardens with communities of lake view chalets and villas, 2 Kanal resort like standalone villas with no adjacent plots hotel apartments ,resort boat ,social club and an exclusive Island with F& B and resort facilities . This unique development with a new high end Lifestyle never experienced before.







LAKE & ISLAND VIEW





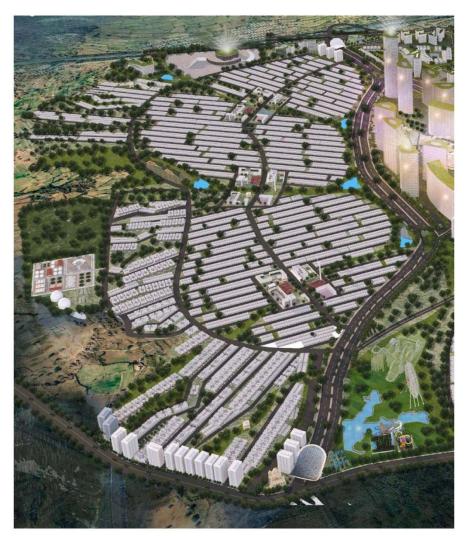
MIXED USED URBAN FARMS & ENTERTAINMENT COMMUNITY





The Mix use community comprise of 5 and 8 Marla houses, apartments ,retail mal , commercial public and neighborhood facilities with an entertainment zone of amusement and water park the frame work is integrated with organic fruits and vegetable urban farms and markets.







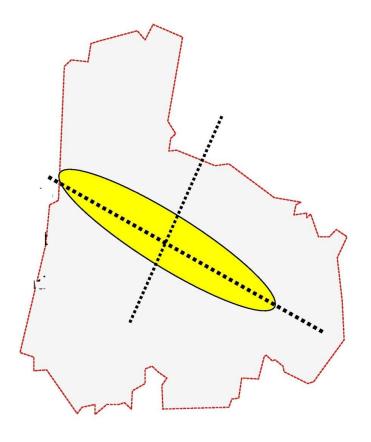




CBD CONCEPT COMPONENT









CENTRAL BUSINESS DISTRICT (CBD)





This Zone of contemporary buildings is clustered around an open and inviting open solar park with solar tress, with activity at ground level, and awe-inspiring towers up towards the skyline of more then twenty five storeys. This unique combination of human scale and powerfully distinctive architecture provides a wonderful opportunity for this cutting edge development which attract.









CBD AND MIX USE COMMUNITY







Living Like Never Before





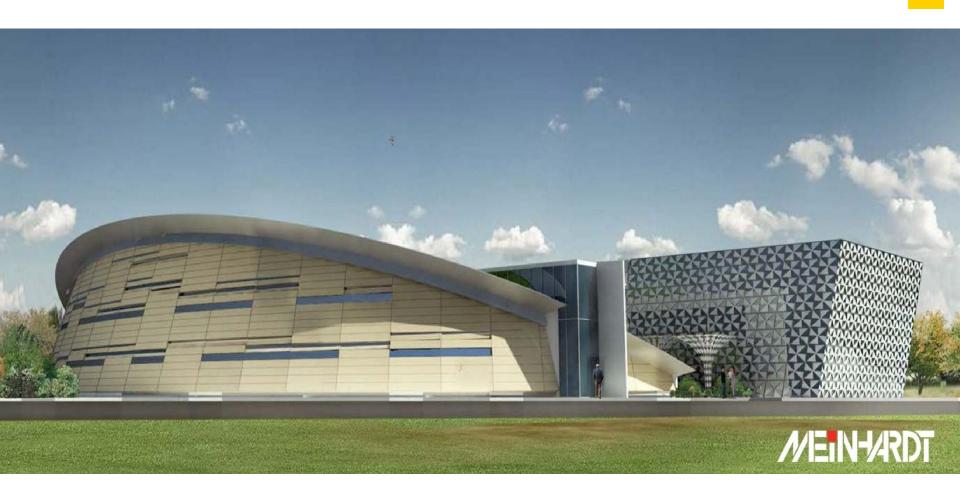
Main Gate - MIVIDA Pakistan







Site Office - MIVIDA Pakistan





UNIQUE & SUSTAINABLE AFFORDABLE LIFESTYLE

World Class One Stop Public Facilities

- Signal Free Panoramic Main Boulevard connected to both Motorway & Chakri Road
- Ring Road all around the Project for fast access
- Active Central Business District
- Green Ribbons as Green Belts situated in multiple Sectors
- Botanical Gardens, Solar Farms, Pedestrian Network, Biking and Shaded Jogging Trails
- Public Realm Walk Ways within 10-15 minutes' walk from house to Markaz.
- Organic fruits and vegetable gardens
- Resort Living Hotels & Chalets
- PGA standard 9 Holes Golf Course at 40 Acres,
- Gymnasiums and Fitness Clubs
- Water and Amusement Park
- Fresh water lake with boating and fishing club,

- IT Park & Education Complex
- Neighborhood Markaz
- Hospital & Wellness Centers
- Restaurants & Cafés
- Cricket Stadium & Sport Complexes
- Fresh Water Lake with Boating & Fishing Club
- Grand Jamia Mosque along with Sector Mosques
- Low & High-rise Towers & Apartments
- Public utility offices, banks, fire station,
- Shuttle Bus Service

And much more

For the Love of Life

















Our Offerings



OFFERINGS at Mivida

- Residential & Commercial Plots
- Modern Business / Commercial Area
- Chalet Living
- Water Front Resorts
- Organic Farmhouses
- Luxury Villas
- Low & High-rise Residential Apartments



Residential & Commercial Plots



Corporate & Retail Modern Business Areas



Chalets & Resorts Living



Low & High-rise Residential Apartments



Luxury Villas





RESIDENTIAL PLOT 3.5 YEAR PAYMENT SCHEDULE

| Category (Marlas) | Sq.Yds | Size | Land Price | Booking | Confirmation | 14 Quarterly Installments | On Possession |
|----------------------|--------|--------|------------|---------|--------------|------------------------------|---------------|
| 5.5 | 139 | 25x50 | 1,499,000 | 150,000 | 150,000 | 75,000 | 149,000 |
| 8 | 200 | 30x60 | 1,999,000 | 200,000 | 200,000 | 100,000 | 199,000 |
| 10 | 253 | 35×65 | 2,399,000 | 225,000 | 225,000 | 125,000 | 199,000 |
| 14 | 350 | 42x75 | 2,999,000 | 300,000 | 300,000 | 150,000 | 299,000 |
| 20 | 500 | 50x90 | 4,499,000 | 500,000 | 500,000 | 215,000 | 489,000 |
| 40 | 1,000 | 75×120 | 8,499,000 | 850,000 | 850,000 | 425,000 | 849,000 |

