

Micro City Project vision is outlined for refugee relocation throughout the middle east region for blocks of 20,000 migrants, where cost effective infrastructure can be established for refugees being assimilated within a new host country.

Essential elements in such community design is pointed to ethnic and cultural considerations as well as modernizing historic townships, villages and cultural activities more in line with worldwide appeal.

With such design concepts as outlined in this document, consideration is given to legal employment opportunities, educational, and small to medium business owners.

The design considerations allow for a modern, safe and well serviced community for its inhabitants, as well as future expansion and development at later periods as the community grows at a estimated rate of 3% annually, after final completions are made.

Real world financial options are indicated within this document which allows for host country tax structures, landlord opportunities, small business franchises and medium retail outlets to be established and banking civil bond issues to generate income on all levels of the community.

Township members are offered job opportunities, security, modern conveniences, and community participation without religious barriers associated in the regions targeted.

ESTIMATED \$350,000,000.00 USD

TYPE CONSTRUCTION	FUNDING INTENT	ESTIMATED COST	JOBS CREATED
FAMILY HOUSING	RETAIL SALES	105 MIL	3,000
PUBLIC BUILDINGS	GOV BONDS	52 MIL	1,000
INFRASTRUCTURE	COMMUNITY	40 MIL	2,500
COMMERCIAL CTR	SMALL BUSINESS	58 MIL	1,000
PUBLIC WORKS	MED BUSINESS	55 MIL	2,000

The estimated cost structure listed above has allowed for sufficient costing of build projects to allow for pre-fab and shipping to site destination, with allowance of \$41 Million Dollars for all unknown logistics. The allowable property required within the safe zone should be approximately 3500 acres to allow for core development, which has not been calculated for cost of leasehold, purchase or granted property by the host country. Full time jobs created after project build completion is estimated at 10,500 new jobs.

Representations:

The concepts shown here are taken from stock pictures, however, represent cost ability to existing structures and may be modified at actual completion. This project scope has been prepared to illustrate the concept in general, and subject to final development approvals with associated political and cooperation of host countries.

INTEGRATING THE MICRO CITY LABOR FORCE

Labor Force Dynamics:

The integration of labor force within host countries promotes minimal friction if the LABOR FORCE fulfills basic requirements to receive both the refugee and national willingness of host country for the transition to citizenship. Therefore, the fastest manner to address such integration at the grass roots of the population is in equal job and trade opportunities during the development of the new township/village. Depicted below is the optimal distribution between nationals and refugees in the community development construction and support services.

(*) denotes wh labor or supply monitored by shared labor jo











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	Group Hires Refugee	#	Supervisor	Workers	Group H



Group Hires Refugee	#	Supervisor	Workers	Group Hire Host	#	Supervisor	Workers
General Construction	500	50	450	General Construction	500	50	450
Specialty Construction	200	20	180	Specialty Construction	200	50	150
Security Force *	50	10	40	Security Force	100	25	75
Medical Techs *	50	5	45	Medical Techs	50	5	45
Administration	100	10	90	Administration	100	10	90
Utility Techs *	200	20	180	Utility Techs	200	20	180
Social Services	150	15	135	Social Services	150	15	135
Educators	150	15	135	Educators	50	5	45
Drivers Local	50	5	45	Inspectors	25	5	20
Shop Keeping /Retail	400	40	360	Shop Keeping/Retail	150	15	135
Warehouse	100	<u>10</u>	90	Import/Export	<u>50</u>	<u>5</u>	<u>45</u>
Maintenance Grounds	100	10	90	Delivery Drivers	100	10	<u>90</u>
GOV Township	100	25	75	GOV Host Country	100	25	75
Fire & Police *	100	20	80	Fire & Police	100	20	80
Local Manufacturing		Unknown	Unknown	Local Manufacturing		Unknown	Unknown

The community will support in labor force between Host Nationals and Refugee Settlers minimum of 5,000 jobs full time Baseline estimate labor \$3,333.33 per year per individual

OPPORTUNITIES FOR SUSTAINED TOWNSHIP SUPPORT

AS THE TOWNSHIP IS ESTABLISHED:



No city can function and continue to prosper without the businesses and services provided by the small business owner. In the basic organization of the micro city, provisions for family opportunities are structured into the community while still allowing for new business ventures to take root as the city grows.



The build schedule has set aside 150 "Shop & Loft" apartment living spaces which allow for existence of floor level shops. Items such as a bakery, clothing, café, clothing cleaners, tailor, electric appliances, etc. dispersed throughout the city, will provide local access to neighborhood vendors and businesses.



Provisions for commercial business ventures of gas stations, food markets, retail stores, import items and repair shops are designed into the city, along with warehouses, commercial offices, banking services and major retail outlets.



In total, the Micro City has made by design over 250 local businesses available, with a total of non-government employment of 4,000 full time jobs and occupations.



Government Employment inclusive of all services and military will have about 1,500 job positions.

PROVIDING FOR SOCIAL EXCHANGES



The design plan of the Micro City has made provisions for social interaction and family friendly environments by incorporating dedicated land areas for a recreation park which can accommodate several sport play fields, walkways, and fauna displays. It can also be used for events or celebrations all controlled by the city managers.



To insure a cultural center of non-religious mandates to the area, we have designed a build for a central open outdoor AMPHITHEATRE for cultural performances, event programs and entertainment for public display.



Additional design planning has provided for four mosque locations to service local populations, however, Project Archimedes will not directly participate in their construction or funding.



Finally, the company has provided for schooling facilities in six locations within the development which will provide the equivalent of grammar school, middle school, and high school for the education of the city school age children.

OVERVIEW OF MICRO CITY BUILD AND STYLE CONCEPTS

BUILD SECTOR PROJECTS

- Engineering
- Site Preparation
- Excavation
- Lot Mapping
- Underground Works
- Roadways
- Water Treatment
- Electrical Power Plant
- Sewer Plant
- Communications
- Build Foundations
- Build Construction Starts
- Park Area & Recreation
- Theater Grounds
- Roadway Lighting
- Landscaping
- Warehousing
- Public Builds
- Civic Builds



POLITICAL & LEGAL TASKING

- Project Approvals
- Land Grants / Leases
- Security Enforcement
- Build Camp Hires
- Roadway Access
- Water Rights Granted
- Import Agreements
- Management Visas
- Coastal Staging Area
- Temp Housing Construction
- Utilities Contracting
- Gen Contractor Agreements
- Technical Management
- Banking Dispersement
- Governmental Liaison
- NGO Agreements
- Military Agreements
- Transport Agreements
- Supplier Agreements
- Build Authorizations

KEY PROJECT BUILD REVIEWS

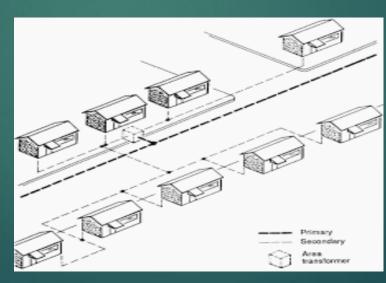


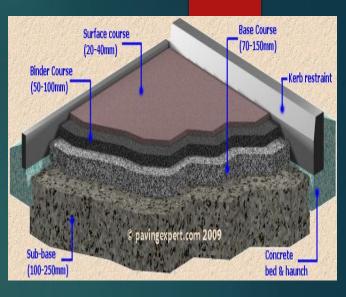
RECREATION & AMPHITHEATRE





WATER/SEWER/ELECTRIC GRIDS





STREETS/ROADS/LIGHTING



PUBLIC WORKS MICRO CITY

TYPE BUILDING	NUMBER UNITS	TOTAL OCCUPANCY	EST. COST
RECREATION PARK	1	1 MILLION SQ/FT	\$5,000,000
OUTDOOR THEATER	1	1/2 MILLION SQ / FT	\$5,000,000
WATER/SEWER LINES	1	100 WORKERS	\$15,000,000
ELECTRIC GRID	2	100 WORKERS	\$10,000,000
ROADWAY-STREETS	6	120 WORKERS	\$12,000,000
COMMON LIGHTING	6	600 WORKERS	\$8,000,000

Public works for the Micro City is the first issue addressed in building a community. Roads, utilities, water and sewer lines must be mapped out and installed prior to first builds. Surveyor mapping of streets, drainage, barrier walls, walkways, and utility junctions are first issues of the excavators and utility workers.

From inception and land grant, the process is initiated quickly, with surveyors, geologist and architectural engineers mapping out the Micro City. Although the elements remain the same, it is important to establish where and how the city will be built. Main road access, available water supply, ground stability, antiquities clearance and supplier product availability all contribute to the first step in establishing a build site.

Once all the above has been established and mapped out, then the Public Works projects move forward to initiate the construction phase. This is the first phase of a rapid build schedule.

\$55 MILLION

PUBLIC WORKS INITIATION

The entire Micro City Project begins when the agreements have been signed, financing is arranged and the host nation allows our fist team of engineers to visit the designated build site.

A select team of international experts in construction will evaluate the site and issues. They will check the topography, geology, water sources, and access to other established villages and cities.

As the information is gathered by the team, the results will be transmitted back to the architects and project managers to initiate the final acceptance and design of the Micro City.

As soon as the engineering team has completed their initial assessment, management will begin coordination with host nation, and initiate build supplier list for scheduling and shipment schedules.

Management team will dispatch the Project Director team and complete the contractor bid awards, insure all waivers and authorities are in place and initiate the underground and public works builds.



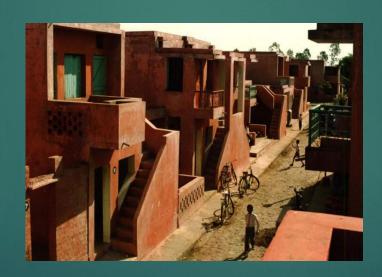
Two Bedroom Home



Shop & Loft Apartments



Three Bedroom Home



One Bedroom Apartments



Four Bedroom Townhome



Two Bedroom Apartments

COMMUNITY RETAIL HOUSING BUILDS

BUILDS FOR HOUSING NEEDS MICRO CITY

TYPE BUILDING	NUMBER UNITS	TOTAL OCCUPANCY	EST. COST
2 BEDROOM HOME	400	1,600	\$8,000,000.00
3 BEDROOM HOME	750	4,500	\$22,000,000.00
4 BEDROOM TOWN	500	4,000	\$20,000,000.00
1 BEDROOM APART	1,500	3,000	\$15,000,000.00
2 BEDROOM APART	1,500	6,000	\$30,000,000.00
SHOP & LOFT BLD	150	1000	\$10,000,000.00

The housing structures will allow for several various innovative pre-build techniques based upon the structure being assembled and the regional climate environment. All structures will be built as permanent structures and include landscaping, full plumbing, and all utility hookups.

Shop and loft structures will include a bottom floor small family business vendor. Pottery – Rugs – Clothing – Jewelry – Woodwork – Hardware – Business Services- Restaurants – Cafes – Electrical Shops – Book Stores- etc., will allow for local merchant variety. Such structures shall not house or trade in any fuel products, explosive materials or prohibited items of host country. The upper level of the loft shall be livable housing for the family merchant. Two parking spaces will be afforded each merchant store front.

4 bedroom structures shall be formed into gated community while all other housing will be public access. Individual housing cost range will be from \$10,000 USD - \$40,000 USD but based on formula for individual housing will remain \$5,000 allowance each occupant.

\$105 MILLION

FUNDING OPTIONS

Although the Micro City concept allows for a fully funded complex, it is essential for the funding principals to consider additional forms of city building to engage the host country as well as the local micro investors who may wish to invest in community builds.

The housing development structures are designed to provide economic equality both in the family investment as well as commercial banking and mortgage community. Block purchases should be carefully considered when dealing with commercial entities to insure they do not over price units of the community at the onset of completion, nor constitute more than 50% of all available housing structures.

Immigrant migration cannot afford returning to the marketplace for homesteads since most are starting at ground zero. It is therefore recommended that a three year moratorium be placed on all housing in the Micro City with any designed leasehold or mortgages held by the sponsors until such time as the local economy has had time to stabilize.

Once properties are transferred to commercial entities the proceeds should be returned to the holding companies for future project starts.



MOSQUE MEDIUM & TRAVEL LODGE



POWER & SANITATION / WATER PLANTS









BUILDS FOR COMMUNITY DEVELOPMENT PUBLIC BUILDS

PUBLIC BUILDINGS MICRO CITY

TYPE BUILDING	NUMBER UNITS	TOTAL OCCUPANCY	EST. COST TTL
TRAVEL LODGE	4	100 CAPACITY	\$7,000,000.00
medium mosque	4	250 CAPACITY	NOT ALLOCATED
PWR & SANITATION	2	200 WORKERS	\$10,000,000.00
WATER PLANTS	2	100 WORKERS	\$10,000,000.00
MAIN MKT PLACE	1	1000 CAPACITY	\$15,000,000.00
GOV OFFICES	1	250 WORKERS	\$10,000,000.00

Public Works projects will require partnerships with national host country utility providers. Such projects may be supplemented or simply contracted to operate facilities once completed. Joint venture builds or expansions will require an investor management team lead as well as control of construction financials. The actual build may be conducted with utility contractors who are previous vendors of the utility company, but all bids need to be vetted with additional blind labor bids + material.

The investor group should consider carefully the sponsorship of mosque builds, where the project can allocate (dedicate) such land tract to the building of such structure not related to city plans, but built by the religious oman's following. Should it be politically advantageous, a contribution of funds has been allocated to cover such builds. Project Archimedes shall not participate in the construction which would violate non-partisan involvement.

Public Structures Construction

In all public build structures the company will serve as management, and provide the contracted expertise as needed to insure the structures are built to code and specification. General labor force of construction as well as vendors suppliers and skilled workers will have in place a contract before construction is initiated.

Because the objective of the micro city is to provide equal employment of both national citizens as well as immigrants the split factor of labor will be 50/50 in all cases. All labor will be paid a living wage without prejudice.

General contractors approved by the host nation will be included in pre-planning project meetings, and participate in field controls to insure schedules are kept.

As in all project materials to be imported inclusive of equipment such logistical controls will be maintained by company management and oversight.







HOSPITAL AND CLINICS / SCHOOLS





UTILITY / WASTE BLDGS



COMMUNITY PUBLIC INFRASTRUCTURE BUILDINGS

COMMUNITY INFRASTRUCTURE MICRO CITY

TYPE BUILDING	NUMBER UNITS	TOTAL OCCUPANCY	EST. COST
FIRE STATION	4	100 WORKERS	\$2,000,000
POLICE STATION	2	500 WORKERS	\$3,000,000
HOSPITAL	2	250 BED/ 400 WORKERS	\$20,000,000
UTILITY COMPANY	2	400 WORKERS	\$5,000,000
WASTE REMOVAL	2	400 WORKERS	\$5,000,000
SCHOOLS	6	600 WORKERS	\$5,000,000

Infrastructure builds will be initiate early in the micro city development, to provide essential services for hookup of completed builds. The secondary builds of infrastructure schools and hospitals will be initiated sometime at the middle of build schedules. Due to the nature of the structures, hospitals and essential public services will need to engage the NGO, local Police and Fire departments early to staff and train qualified personnel to man these structures once completed.

The location of each essential service to the community will be strategically located to avoid long distance access to services. School facilities shall be structured to accommodate (2) each elementary- middle school and high school classes. Educational contracts may be required to engage international teaching organizations to insure all educational subjects are covered.

Sanitation department structure will be updated in most middle eastern regions, and support for implementation is expected to be necessary.

\$40.0 MILLION

The build schedule Is Critical

Infrastructure projects require special build models in-as-much as prefab structures rarely account for the special structural requirements of items like jail cells, heavy equipment and plants that have intricate plumbing or specialized machinery.

These projects will be initiated early, but will require greater time to complete, not withstanding the code and specifications in host country. Most of these structures require management specialists to provide correct schedules and import of specialized equipment.

It can be assumed that unlike the housing structures, which can be shell completed within a week, infrastructure buildings may take several months considering weather allowance.

Accordingly, it is estimated that fire & police buildings will take 5-6 months each, and the hospitals up to 12-18 months.



WAREHOUSING / FACTORIES



COMMUNICATIONS / MEDIA



FUEL OILS / MILITARY FORT







BUILDS FOR COMMERCIAL SERVICES & GOVERNMENT SERVICES

\$58 MILLION

COMMERCIAL SERVICE PROJECTS MICRO CITY

TYPE BUILDING	NUMBER UNITS	TOTAL OCCUPANCY	ESTIMATED COST
WAREHOUSE	10	1 MILLION SQ/FT	\$20,000,000
FACTORIES	5	½ MILLION SQ / FT	\$10,000,000
COMMUNICATIONS	1	100 WORKERS	\$5,000,000
MEDIA/TV/INTERNET	2	100 WORKERS	\$5,000,000
FUEL OILS/GAS	6	120 WORKERS	\$12,000,000
MILITARY FORT	1	250 PERSONNEL	\$6,000,000

Commercial Service Projects allow the micro builds some latitude, where most all have signatory providers in country. Early engagement with such providers will afford the management team the ability to include their independent schedules with allocated property, to establish their engineering layouts for cable, towers, and sub stations early enough for the management team to accommodate their needs. Financial considerations provided here allow for structural builds however, significant savings may occur dependent on the ability of providers to raise sufficient capital or use our abilities to underwrite their build of service.

Warehouse facilities provide the opportunity to provide large open indoor shopping retail equivalent to COSCO or BJ's and allows for potential import arrangements to be made. Additional warehousing facilities will also allow for the storage of goods yet to be exported or locally consumed under single point dispatch – thus limiting the traffic in city centers with transport vehicles.

Factories allow for a variety of production facilities for expanding business interest. Metal forges, lumber or furniture factory – Brick & Mortar –Asphalt & Cement production just to name a couple possibilities.

FORGING RETAIL COMMERCE

Instrumental to city sustained development will be the ability of local vendors and transit shipments processing, which allows for job creation, and additional city revenues. Since transportation within country is so vital to most host nations, the ability to restructure satellite locations in the transport field are most appealing.

The inclusion of a military outpost fortification which can accommodate a company size cadre and support for local police enforcement lends to additional revenues for local suppliers, as well as military support for maintenance, and military family members.

During the announcement of a micro city build, it would benefit management to engage in interested businesses thru local chapters of business and retail providers in country and foreign interest wishing to establish first links to a host nation.

All such meetings and conferences will include the host nation to negotiate favorable terms for both sides where Project Archimedes will act as intermediary.

By a sound establishment of commercial service, the city and community may join the 21st century without forgoing their honored past.

st Century Middle East Micro City

