

## **Eco - DESIGN BRIEF on 1 Sep 2017 : Eco - living SPACE / health food Kitchen Incubator Business HOME @ 69 Omar Khayyam street - Jabal Luwaibda in the heart of Old Amman .**

A new co - eco – living concept to design a Mixed , shared and co - use hybrid small ecological building , using affordable natural raw materials & design finish with Islamic heritage design best practice , socially responsible , energy efficient and ecologically sound building ( a hybrid mix between a garage garden , kitchen incubator , library , office , market , home and passive + active eco - systems ) is to act as a health food kitchen incubator start – up company as well as a local artisan industries and emerging green businesses hub space in a new social enterprise street .

The process of ( **design , plan , build & manage** ) is based on a collaborative prototyping initiative & processes between architects , engineers , landscapists , permaculturists , ecologists and many creative people , all passionate about designing a better Jabal Waibdah Eco – System with BDC , IRADA , FOLCA , GAM , MOE , MOTA , MOA , MOH , MOI , MOP , JIC , RSSJ & RHC / Jordan . The project invites people from all walks of life to take part in this holistic approach to achieve an eco – living / working model that will be inclusive of many different realities aiming to healthily upgrade the quality of life and encourage a more sustainable lifestyle , suitable for the urban requirements for sustainable living in the heart of the old city of Amman – Jordan .

### **The creative process : A visual architectural biodiverse - business plan + A collaborative contract and a traditional adaptable green building model in a concept Urban Eco – Village .**

#### **The building will comprise of a 5 - 7 floor plan built with & overlapping co – eco - spaces :**

- **Roof EcoSystems Floor :** solar panels , wind turbines , PV panels , cooling & heating chimneys .
- **2 - 3 Work / live Floors + 1 to + 3 :** family apartments ( 200 m2 – 250 m2 ) or 3 flats for rent , Residence / Guest room + / - ( 2 – 3 ) rooms , with shared / private outdoor spaces .
- **Services & Market Floor 0.0 and +1:** utilities / loading unloading / possible storage / warehouse / local health foods / multipurpose hall / tea room / bio - eco – green design concept shop .
- **Office and Workshop Floor 0.0 or + 1 :** green business hubs / library / co - working space / light industries / woodworking / paper / artisanal crafts / recycling / eco – design teams .
- **Kitchen Incubator Floor - 1 :** solar cook & space for [www.bejlian.com](http://www.bejlian.com) and local artisans / cooking workshops / communal / edible plants / grey water system / life systems .
- **Garage Gardens Floor – 2 :** ramp to – 2 , space for 6 to 9 green cars & edible gardens .

The final built area will be approximately 1000 –1100 m2 with the outdoor & indoor landscape architecture spaces acting as 3 skin breathing between the four elements offering a flexible adaptive space with air ventilation & circulation , natural sun light , pure water and healthy earth soil plants .

### **Sustainable design approach by Bejlian M 0797176062 + Namliyah + Zabaneh edesign teams :**

- 1. Strategic planning :** The bio - diverse organic design concept will respond to future vertical or horizontal expansion , building open to market , technology adaptation reuse and growth .
- 2 . Demonstration building :** Visible demonstration of energy use and technologies ( exhibition ) .
- 3 . Building envelope :** Air tight , protective and resilient , smart detailing and recycled joinery .
- 4 . Raw Material selection :** Natural , or possibly a by - product of local manufacturing processes / reduce , reuse & recycle / wholesale and 2nd hand prices and bartering solutions .
- 5 . Passive design concepts :** Best use of natural light / ventilation / insulation & solar energy .
- 6 . Active systems use :** Space tests new eco - design solutions & energy saving technologies .
- 7 . Carbon footprint :** Minimum waste / energy / transport and pollution throughout lifecycle .
- 8 . Water management :** Grey water reuse & rain water filtration / purified tap water & energized .
- 9. The work site team will use online crowd sourcing technologies :** Volunteers , students , mentors , charities , investors and everyone passionate about making Amman **GREENER** are welcome to take part in the building process starting at the early stages of the project start - up , allocating local skills and available materials , sharing knowledge , helping with procurement , on - site help / labor , donations , publicity , implementing waste management systems , offering new technologies , neighborhood clean - up and upgrades manifestation inshallah . . .

### **The project will create a revenue mix from Knowledge services , Space rents & Businesses . Rubik cube systems engineering space concept allows for easy reuse & market adaptation .**