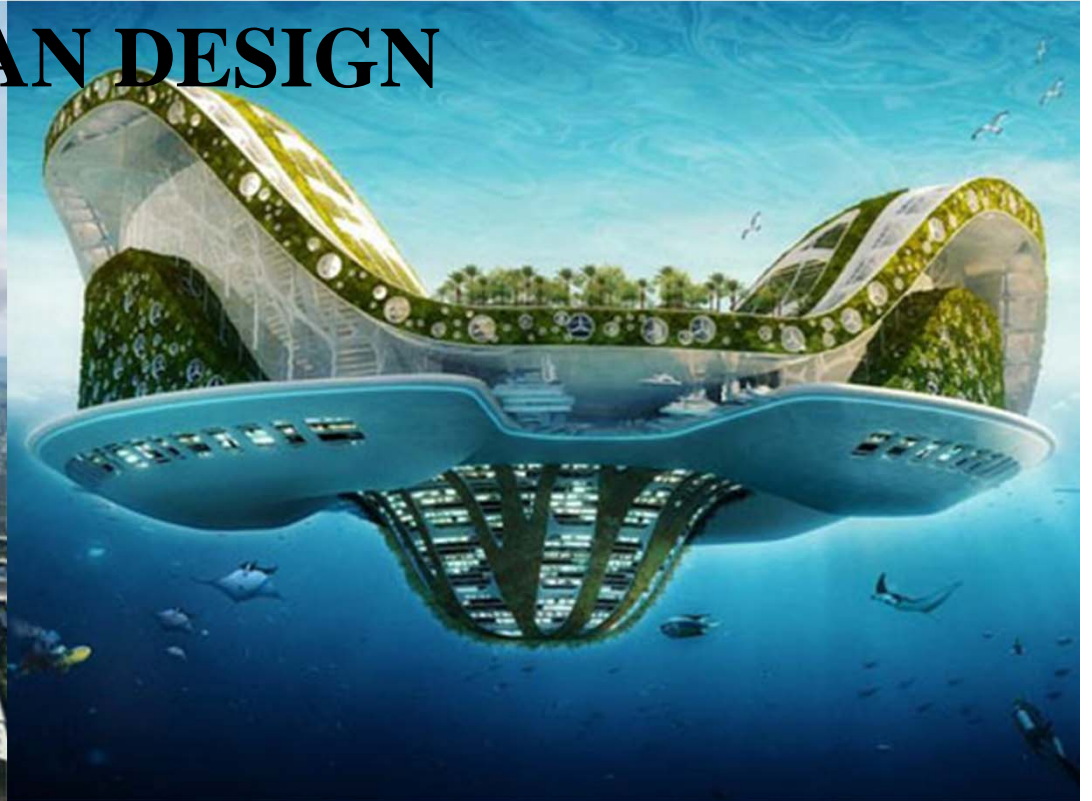


FUTURISTIC CITY PLANNING AND URBAN DESIGN



FACTORS INFLUENCING THE PLANNING AND DESIGN OF FUTURISTIC CITIES

- Dealing with futuristic issues relating **population growth, weather changes, space communication** and **security against new weaponry**
- **Theories raised** by different **idealists** about the future cities
- Advancements in **technology** and **communication**
- Effort in **creating new society** composed of **change, originality and innovation**

CHARACTERISTICS OF FUTURISTIC CITY PLANNING

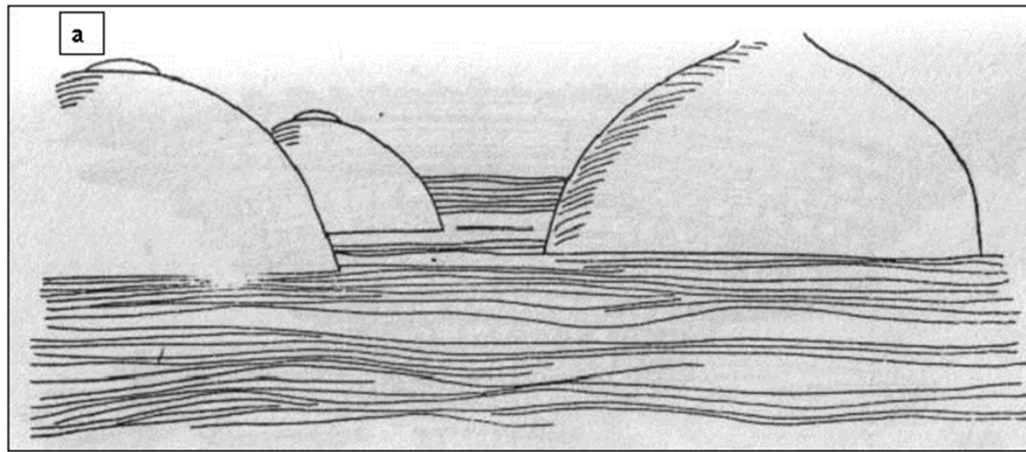
- **Scientific and technical solutions** for future cities
- A **three dimensional image** of future cities
- Application of and **dependence of technology** to the **maximum**
- Handling of **congestion of people** and **space**
- **Better communication, reduce traveling time, distance** and **create better living** conditions
- Dealing with the **rapidly changing** lifestyle
- Boldness to **experiment** with **new concepts** and **technology**

Theories raised by different idealists

Radio Cities

Periods: Futuristic (second half of the 20th century)

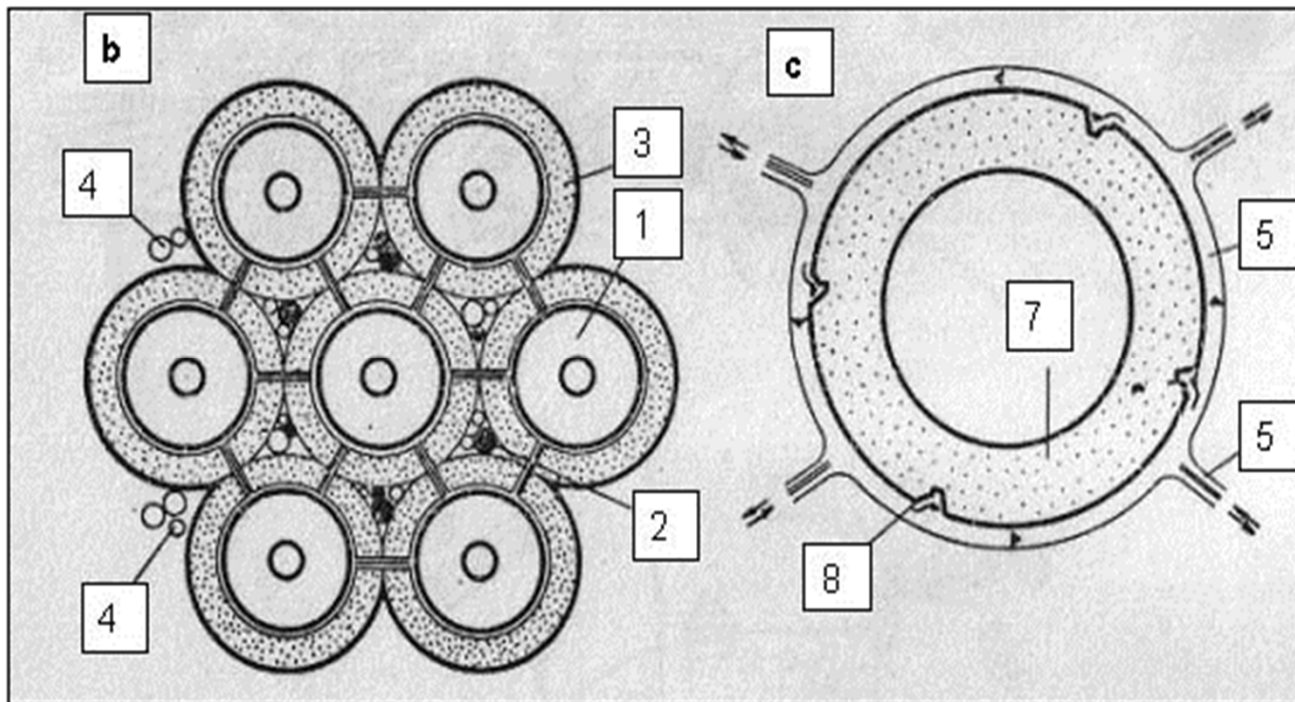
Remark: Experimental city with **dome structure** by **Swiss architect**



- Shape of structure ensures **isolation of apartments** and their **landscaped balconies**; **roof** of dome has an **opening for light** and **ventilation** with **open platform** for **rest** and **view around**
- In each dome **apartments** are connected with each other by an **elevator & escalator** with **pedestrian traffic minimized**

- **Around the dome –**

- a **green belt of 22ha social & cultural hub**; The form of domes sets the creation of **ring roads** encircling **each structure** with **interlinked radial roads**
- These roads serve **private transportation** only with **parking** & garage located in tiers under the green belt
- Public transport functions on **mono-railroad** and by **helicopter**

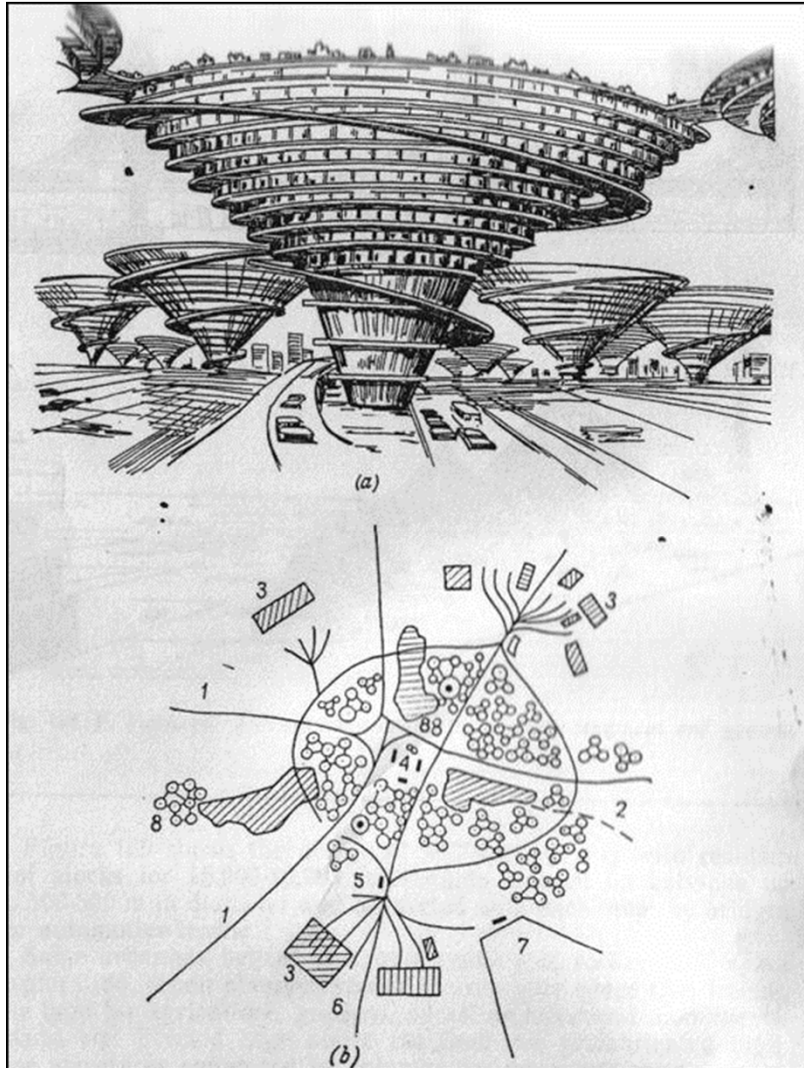


- a) Three-dimensional view
- b) Zoning plan
- c) Traffic organization
- 1-Radio city
- 2-public and cultural institutions
- 3-green belt
- 4-sports complex
- 5-Ring road
- 6-Radial road
- 7-Multistory Garage under a landscaped platform
- 8-Entrance to underground garage

Floating Cities

Periods: Futuristic (second half of the 20th century)

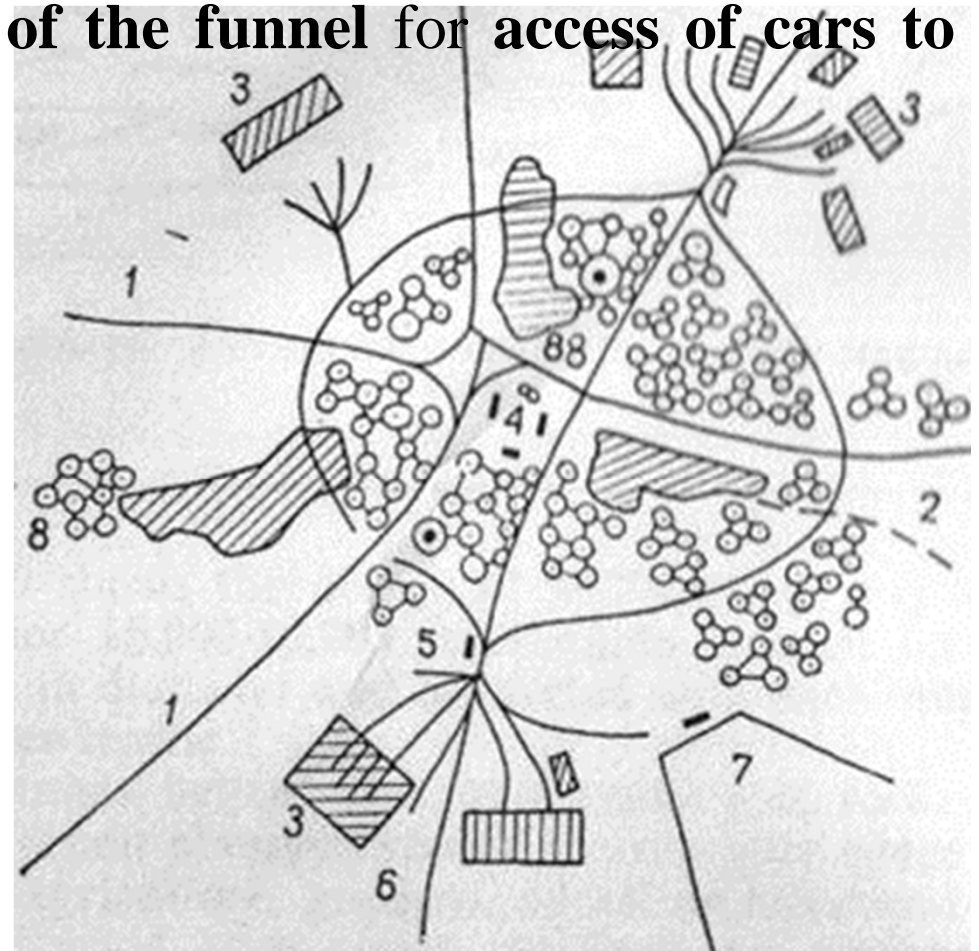
Remark: city with **funnel** – shaped residential communities



- **Group of funnels** with **apex resting on the ground** and the top of the funnels connected beams
- Each funnel is a **self-contained block** with the apartment located in tiers
- Advantage of this form according to Jonas – **apartments placed in terraces** on the **inside** wall will be insulated from **noise and harmful gases of automotive traffic**

- Each funnel will have 702 horse-shoe shaped apartments designed for **2000 persons**, **height of funnel being 100m**, **diameter at the top -200m**
- **Cultural, service and shop facilities** are located in the **lower part of the tunnel**
- **Two thirds of the height** are occupied by **apartments**, provision made by **ramp on the outside of the funnel** for **access of cars to apartments**

- 1- Express way
- 2- Park
- 3- Industrial establishments
- 4- City center
- 5- Goods station
- 6- Railroads
- 7- Airport;
- 8- Residential area



LESSONS DRAWN

- Incorporating **time dimension** seriously in planning and design
- **Optimistic** approach in solving the future problems
- Use of **every means** and develop three dimensional models to cities to deal with **congestion**
- **Avoiding the past, work with the present and deal with the future** planning
- Involving the **present generation** in the planning of the future including all the children, the middle aged, and the old Return to **human scale** in integrated **land uses** Dealing with **new forms** and **structures** regarding planning
- **New concept** of city **planning** and **zoning** and the **rational view** towards **density** Planners, view of man - dealing with the future