

SOLAR POWERED COLONY

Concept Design: Barch. Jesús Velazco

This proposal attempt to conciliate the climate conditions in Mars with a less impact environmental design. Although no impact is imposible the main structures will be located underground, the surface will only be affected by Solar farms wich provide electricity, heat and direct light to the activities below.

Inhabitants: 1.000.000

Working population: 95 %

 Online (home or freelance working) 35 %

 In-Site working 55 % (mostly constructors, engineers and service workers)

 Office working 15 % (administrative, control tasks)

AREAS

Administration and Control of the city

Maintenance

Construction, laborers in and outside the colony

Engineers

Turists

Shuttle bays for inter planetary travels

HUB

Transportation

 Inside Mars: aerial, terrestrial

 Outside Mars: aerial

City transportation: underground connections, subway type

Cargo vehicles, automated

Public transport

Private transport

Almost all backup services will be automated

Power supply, solar energy, wind, geotermical. No fossil fuels

Greenhouses

Air recycling

Water recycling

Shopping and leisure areas

