

Energic Architecture in Old Town Alexandria

by

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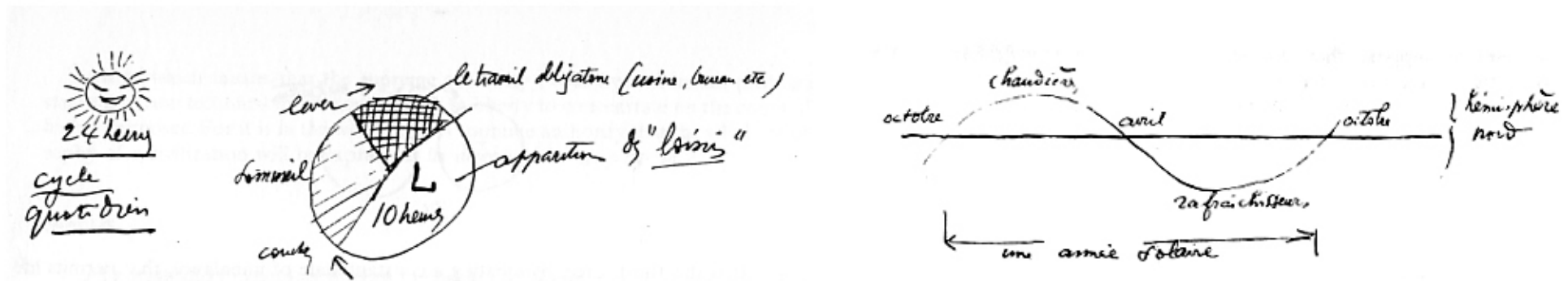
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"The 24-hours cycle of the earth divided between sleep (conscious inaction) and work (conscious action)." by Le Corbusier.

Every architecture is being with life-force such as a plant who lives on the photosynthesis that need carbon dioxide + water + light energy, and provide oxygen in day time. On the contrary, Plants need oxygen and release carbon dioxide while they can not carry out the photosynthesis in night time. But both chemical reactions occurring on the same plant in different time in a day.

People normally spend one-third of their for working in an office or studying in school, and their home is empty during the day time. People use the rest of their time on a dinner in restaurant outside, other activities or events; back to home to rest and nobody occupies commercial area in night time. Why can we not do all of life's events in the same building or place whenever we wish?

This thesis evolved as an exploration the process of how to design an efficient building which is able to capture natural light and direct it in the building in day time and how to control the temperature inside throughout the different seasons of the year.

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