



Planning development - new build standards

Misr University for Science and Technology aims to achieve further energy reserves by paying close attention to energy management. All parts of the organization can assess their own energy consumption and realize their own energy-saving potential by means of, for example, insulation, LED lighting and the deployment of sustainable technology.

Environmental Campus

MUST implemented the elements of 'green building' such as a solar heat transmitter with heat storage capacity to provide heat, a solar thermal collector as heat source for a compression heat pump.

- Example of Green Building Implementation - Overview Green Technologies implemented at the Environmental Campus

- MUST university implemented the elements of 'green building' such as a solar heat transmitter with heat storage capacity to provide heat, a solar thermal collector as heat source for a compression heat pump. MUST maquette for new green buildings can be tracked via link below. Also, MUST university implemented Natural ventilation and natural lighting in the central library as sources of using natural energy resources.

- Artificial and Intelligent Technology Center innovate new system to conserve water which could be implemented in the university. Also, New campuses MUST 2 and MUST 3 were designed to be environmentally friendly buildings.
- MUST university is in the process of implementing new conserving water system to reuse treated ablution water to irrigate plants.
- New campuses MUST 2 and MUST 3 were designed to be environmentally friendly buildings.

Energy Efficient Appliances Usage

Example of Energy Efficient Appliances Usage: Use of LED lighting and lamps with light detection



Example of Energy Efficient Appliances Usage: Solar absorption Air Conditioning system



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Description:

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MUST university maquettes





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Natural ventilation and natural lighting (MUST Library)



Example of Green Building Implementation - Overview Green Technologies implemented at the Environmental Campus MUST 2