

## Ecological Features for Environment Conservation

Light wall	Top lighting	NaturallyBalanced Wind-Power Vent Window
CO2 reduction 87t/year	CO2 reduction 72t/year	Co2 reduction 16t/year
		
<p><b>Outline</b> A system to bring natural light into the hangar by using polycarbonate with high light permeability for the wall</p>	<p><b>Outline</b> A system to bring natural light into the hangar. Used together with the light wall, it keeps the illumination level at the center of the hangar to 3000lx. During the daytime, no artificial light is needed to conduct maintenance work.</p>	<p><b>Outline</b> Effective ventilation system using pressure difference and temperature difference to open/ close the vent windows and create wind passage in order to ventilate efficiently.</p>
<p><b>Effects</b> To cut CO2 emissions by 159 tons a year by combining its use with top lighting. Compared to glass windows, it has higher insulation efficiency.</p>	<p><b>Effects</b> To cut CO2 emissions by 159 tons a year through combined use with the light wall. During the day, no artificial light is needed to conduct maintenance work.</p>	<p><b>Effects</b> Possible to ventilate without using power Allows around-the-clock ventilation.</p>
Use of rainwater to wash fuselages	Garden roof	Solar water-heating system
	CO2 reduction 2.0t/year	CO2 reduction 5.7t/year
		
<p><b>Outline</b> A system to reduce the volume of mains water used by using rain water to wash fuselages and toilet flush</p>	<p><b>Outline</b> Green Roof using light soil with high water-retention properties</p>	<p><b>Outline</b> A water heating system that utilizes clean solar heat</p>
<p><b>Effect</b> To drastically cut use of mains water. The quality of rain water can be improved to the level of mains water via a filtration system.</p>	<p><b>Effect</b> To reduce the air conditioning load through heat insulation. To improve the rooftop scenery and create a place to relax.</p>	<p><b>Effect</b> To reduce the volume of electricity and gas used to heat water.</p>