

Health

For the purposes of the users, there has been special attention to light and climate.

The large windows give the best views and natural light to the staff, while external screen placed on the outside of the relevant positions.

LED Lighting

All the artificial lighting is carried out in LED. The LED lighting meets the health and safety guidelines of ARBO and can be controlled by four workstations via a remote control.

The exterior lighting is linked to a timer and dims at the right times or disabled in order to avoid disturbing the wildlife in the immediate vicinity.

Ventilation

The office is ventilated by a VAV (Variable Air Volume) system with induction units. This is also called an All-air system. This has advantages with respect to energy consumption and supplied much fresh air relative to the conventional systems.

In the return channels are CO2 sensors installed. With those sensors, the system recognises automatically if there are many people present in the same space to avoid unhealthy air to pump up the VAV system.

Temperature

Besides arranging of the lightning at every four workstations, the people also have the ability to control and adjust the temperature.

The wall nearby the entrance door is provided with a digital thermometer that shows the actual temperature. The employers have the possibility to set the desired temperature.

Cooling / heating

With the same VAV system, the office can be cooled. Each zone (four workstations) is provided with space sensors. These sensors control the temperature level.

In the low season, when it is possible, fresh air is used as much as possible instead of a cool machine. In an energy efficient manner, we take advantage of the cooling air that is for "free".

If the outside environment does not give a chance to cool, a highly efficient heat pump machine will take care of the cooling requirement. This pump can efficiently generate heat to approximately 4 degrees.

if the outer temperature falls below the four degrees and there is demand for heat then an HR ++ boiler takes over.

