Template for Evidence(s)
UI GreenMetric Questionnaire

University : IFSULDEMINAS
Country : BRAZIL
Web Address : https://www.ifsuldeminas.edu.br/index.php

[2] Energy and Climate Change (EC)

[2.3] Smart Building Implementation

Figure 1: Rectory fire-fighting system – Fire extinguisher and fire hose.

Figure 1: Campus Passos fire-fighting system – Fire extinguisher, fire hose and fire alarm.

Figure 3: Rectory fire-fighting system – Fire alarm.

Figure 4: Rectory video surveillance system – Camera control.

Figure 5: Rectory automatic management system for energy supplies and production – Solar power converters.

Figure 6: Rectory automatic management system for energy supplies and production – Energy management system.

Figure 7: Campus Três Corações rainwater recovery system for covering the flushing and irrigation – Water storage tanks.

Figure 8: Rectory rainwater recovery system for covering the flushing and irrigation – Water storage tank.

Figure 9: Rectory rainwater recovery system for covering the flushing and irrigation – Water storage tank and reuse water tap.

Figure 10: Campus Machado passive cooling and/or exploitation/limitation systems for free supplies – Coffee roasting building exhausters.

Figure 11: Campus Carmo de Minas high-efficiency luminaires with automatic lighting control – LED lamp post.

Figure 12: Campus Poços de Caldas high-efficiency luminaires with automatic lighting control – LED spotlights.

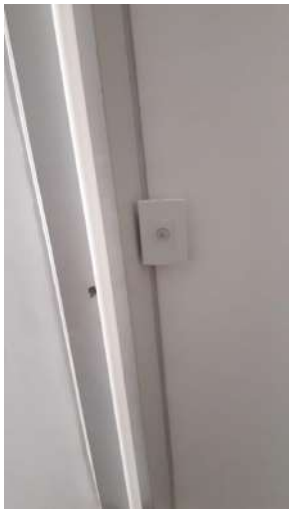

Figure 13: Campus Inconfidentes high-efficiency luminaires with automatic lighting control – Tubular LED luminaires.

Figure 14: Campus Inconfidentes high-efficiency luminaires with automatic lighting control – Presence sensor.

Figure 15: Campus Poços de Caldas shielding adjustment and solar control – Brise-soleil at classroom building.

Figure 16: Campus Poços de Caldas passive systems for natural light exploitation – Library lighting.

Figure 17: Campus Pouso Alegre passive systems for natural light exploitation – Engineering building.

Figure 18: Campus Muzambinho monitoring of environmental parameters related to thermo-hygrometric comfort – Dairy cattle free stall. Available at: https://www.muz.ifsuldeminas.edu.br/pqvida/2200-programa-qualidade-de-vida-importancia-do-conforto-animal-na-producao-leiteira.

Figure 19: Machado Campus motion detectors installed on street lights.

Figure 20. Inconfidentes Campusvideo surveillance system – Camera control.

Figure 21. Inconfidentes Campus motion detector and fire-fighting system.

Figure 22: Inconfidentes Campus rainwater recovery system.

Figure 23: Machado Campus rainwater catchment system for swine sector cleaning.

Figure 24: Carmo de Minas Campus rainwater catchment system

Figure 25: Carmo de Minas Campus lamp with photocell sensor.

Figure 26: Carmo de Minas Campus passive system for natural light exploitation.

Description

IFSULDEMINAS is committed to the expansion of smart buildings, building or refurbishing their buildings, observing the integration between security, surveillance and emergencies, consumption and energy management and monitoring, internal environment, temperature and air quality control and lighting. Intelligent building aspects are found in all IFSULDEMINAS units. Source: IFSULDEMINAS.