







# **Energy pre-diagnosis sheet of the building: "the locker room"**

# General information about the building

## **Historical data:**

2008: building construction

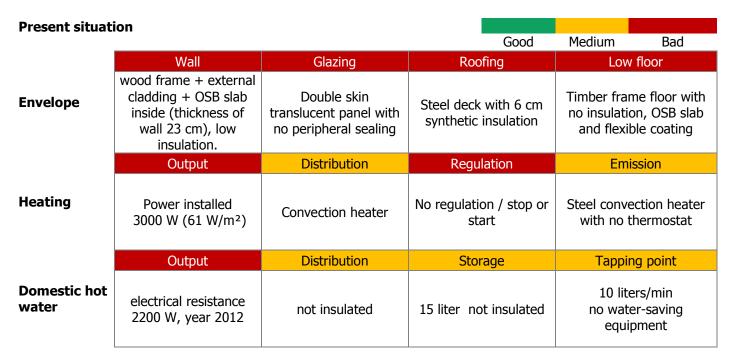
## **Type of occupation:**

Weekly occupancy between 30 and 75% (4 to 5 days / week). Capacity: 3-12 people.

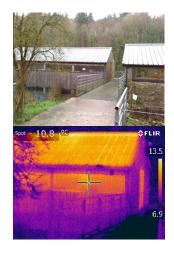
#### Size:

49 m<sup>2</sup> changing area (heated) and 49 m<sup>2</sup> workshop area (not heated), for a total of 98 m<sup>2</sup>.

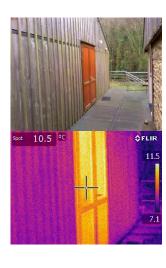
# **Strengths and weaknesses**



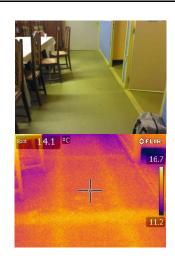
# Infrared thermography extract



Defects: Door and windows Nothing to report on the roof! (beware of reflection)



Defects: Door and wall insulation



Defects : no low-floor insulation









# **Specific electricity**

#### **Electrical appliances:**

1 fridge: 69 W (to check), 1 micro-wave: 1250 W, 1 coffee maker: 900 W,

1 oven: 1500 W,

**1 kettle**: 2000 à 2400 W, **2 hotplates**: 2500 W.

#### Lighting:

Natural light illuminance (centre of room): 7 lux, Artificial light illuminance level (centre of room): 545 lux.

12 neon lights of 58 Watts, total: 696 W.

#### Recommendations

## **Management:**

- Redefine the building uses (locker room but not only, rest room, meals, workshop?),
- Give the building a new "name"
- To support change (including the integration of work in the multi-year plan and making sure improvements are consistent with expectations).

## **Buildings:**

- Achieve or complete existing insulation (envelope being a "sieve"), Interior Thermal Insulation (ITI), box in the box, in order not to modify aesthetics and materials of facades,
- Insulate low-floor between frame and underside (depending on access ...),
- Prefer non-opaque glass surfaces (visual comfort ...), which lose less heat and are better oriented,
- Conflict of use (meals / dressing room); add an airlock adapted to different uses.

### **Equipment:**

- Old and dilapidated electric convection heaters, prefer low inertia radiant heaters, with hour programming (8:00/9:00 and 12:00/1:30 p.m.) given the short occupancy of the building,
- Insulate the hot water tank,
- Adjust the hot water temperature of the hot water tank,
- Install an aerator on the sink (if possible)
- There is no ventilation. It is recommended to install a ventilation system adapted to future uses (meals, rest room, cloakroom and workshop).
- Type of lighting adapted to a changing room / workshop but not to a rest room / meal area. Change lamps depending on future uses. Reduce installed power.