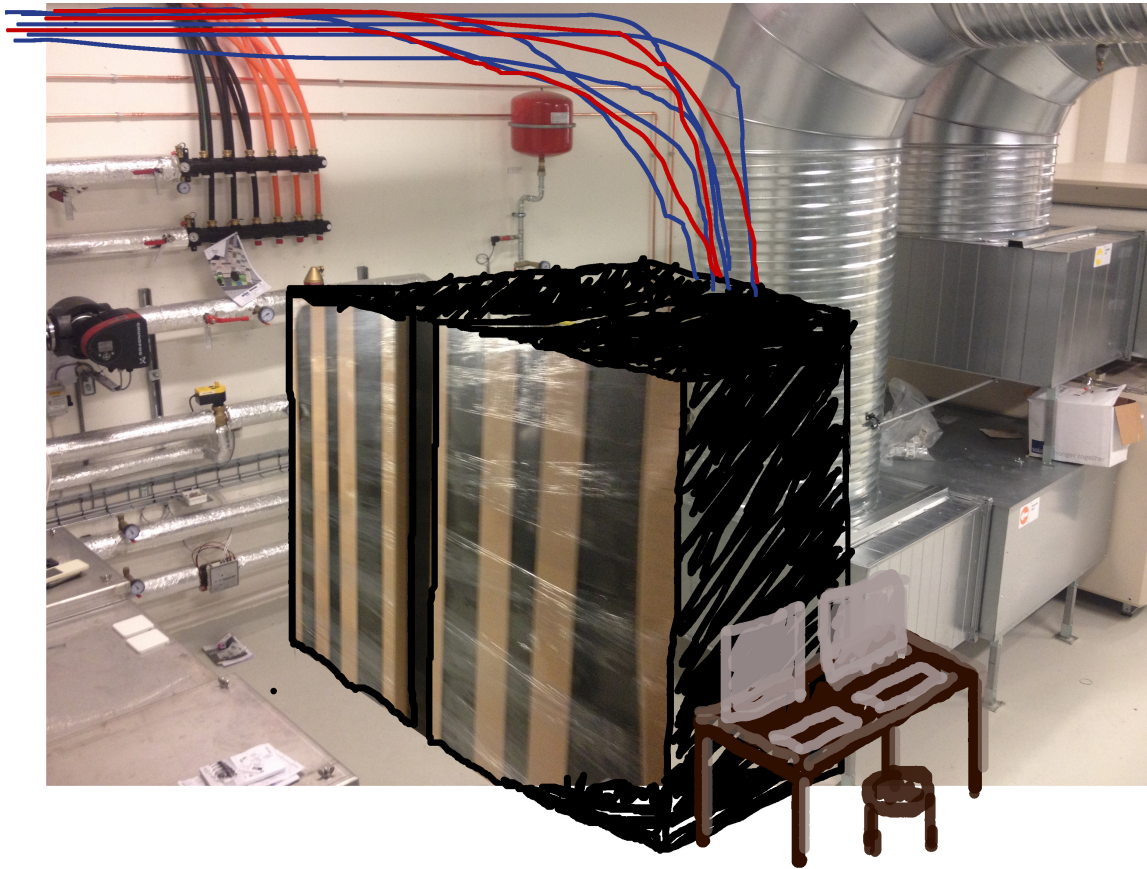


Technical and Hardware Specifications at the Adressaparken

Content:

- [A. Control Room Equipment](#)
- [B. Sensors mapping at the park](#)
- [C. Park Sensors and Equipment](#)

A. Control Room Equipment



Server

1 HP ProLiant DL380 Gen9: ([link](#))



Client

2 Mac mini with the following specs:

1 TB Fusion Drive

2,8 GHz, Intel Core i5 (Turbo Boost until 3,3 GHz)

16 GB 1600 MHz LPDDR3 SDRAM



1 Apple Wireless Keyboard (English)

2 Apple Mini Display Port to VGA-adapter

The 2 Mac minis are mounted on a rack: (+ 1 screen keyboard mouse rack mount)

<http://www.sonnettech.com/product/rackmacmini.html>

Screens

* Dell P 2210 56cm 22": ([link](#))

* Mac 22" Screen



Keyboard and mouse:

(Keyboard) Lenovo KU-0225 / plus Mac keyboard and mouse

(Mouse) Lenovo M-U0025-Q

Switch:

4-Port USB 2.0 DVI Dual View KVMP™ Switch ([link](#))



Audio Card:

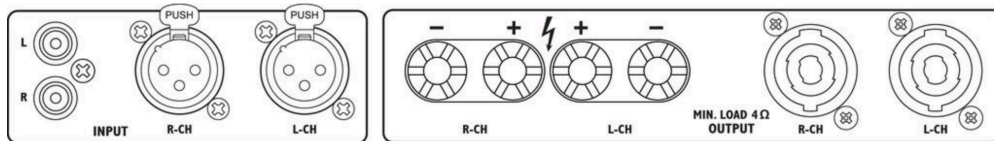
Motu 24Ao ([link](#))

uses the following cables

- 3 x Digisnake DB25-XLRM (248115)
- 6 x Monacor 1m XLR Neutrik Enkel

Amplifiers:

3 units of Stageline STA-400D, 180/270W (8/4 Ohm) ([link](#))



Video Switch:

Kramer Electronics, Ltd Kramer Kramer Switch 2x1:16 HDMI 19" ([link](#))



LED Screens (2 units)

48" LED TV

DMX CONTROLLER

1 unit ENTTEC ODE - open EMX Ethernet ODE



B. Sensors mapping at the park



C. Park Sensors and Equipments

C.1. Sensor boxes

12 units of Type 1 Boxes containing the following devices:

- 1 RPi with Camera, sensing Pedestrian activity
- 1 Arduino with the following sensors: Microphone, LDR, Temp humidity

Details:

Box 1 contains:

Libelium + Waspote Gases Board:

Temperature sensor 427 ABJ

CO sensor TGS2442

CO2 sensor TGS4161

Luminosity LDR sensor

Box 2 contains:

Libelium + Waspote EventsBoard:

Presence Sensor PIR

Temperature sensor 427 ABJ

Luminosity LDR sensor

Vibration Sensor (PZ-01 and PZ-08)

Box 3 contains:

Libelium + Waspote SmartCities Board

Microphone (dBSPLA)

Dust Sensor (GP2Y1010AU0F)

Box 4 contains:

Libelium + Waspote GasesBoard:

Temperature sensor 427 ABJ

Humidity sensor 540116511

Air Contaminants sensor TGS2602

(Gases: C6H5CH3, H2S, CH3CH2OH, NH3, H2)

NO2 sensor 2714

Box 10 contains:

Meshlium Gateway 802.15.4 to Ethernet

C.2. Screen Projector mounts

4 units of Screen and 2 units Projector mounts with:

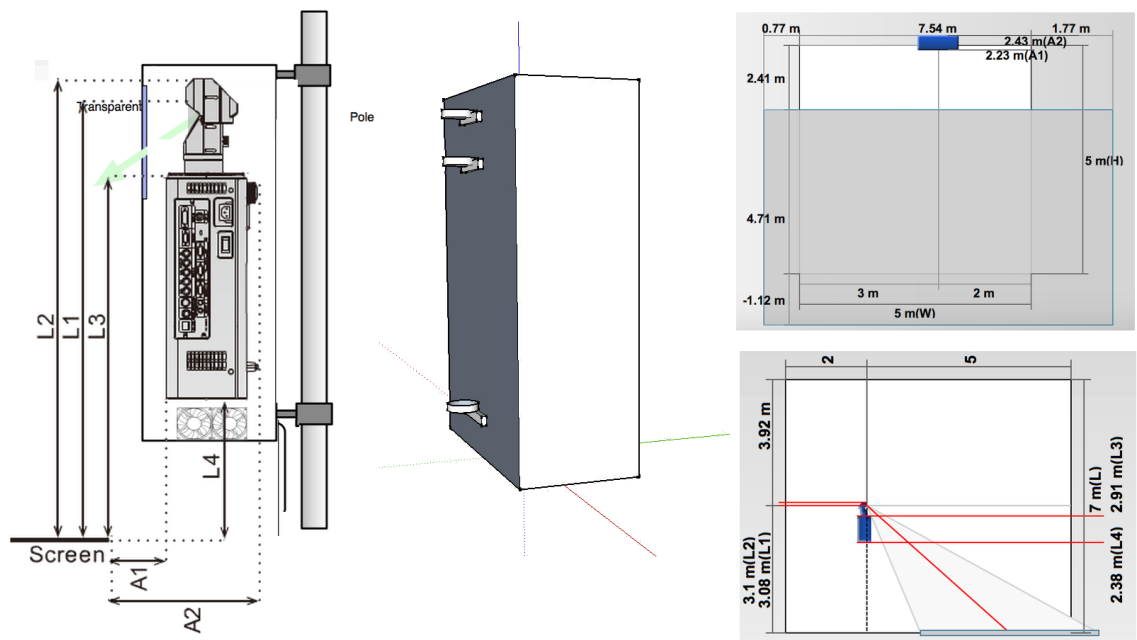
- 4 Power Plugs 220V with surge protection
- 2 RJ-45 CAT 6
- 2 HDMI Type A cable (through Ethernet – RJ 45 cable)
- 1 DMX512 (5 Pin Female XLR)

C.3. Projectors

2 units of Projectors with HDMI, cat 6 and power cables 16 amps.

* Projector Model: Panasonic PT-RW630 ([link](#)) with Lens, ET-DLE030 (0.38:1)

* Mounting detail: Width: 7.54, Height: 2.41m



C.4. Speakers

6 units BOSE FreeSpace 51 ([link](#))



C.5. Laser Range Finder

*2 units of Lindar Lite 2 Laser Range Finder available starting October 2016.



C.6. LED Light Strips

* 10 units of LED Light Strips distributed along the park, controlled by Nortronic LED Dimmer DMX RGB/ RGBW

