

vivalyte
LED makes the difference

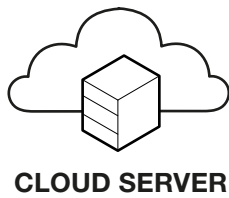
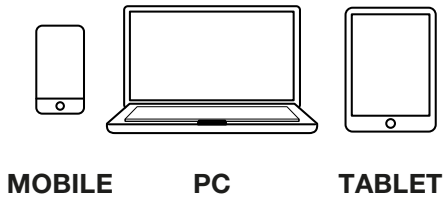
SMART SIGNAGE



CONCEPT

“Internet of things in signage”

SMART SYSTEM INTERFACE



Measuring, monitoring and managing (MMM) the operation of your signage assets in real time. Communicating via the cloud.

Making use of intelligence on two levels:

Level 1:

a. Sensors integrated with the sign.

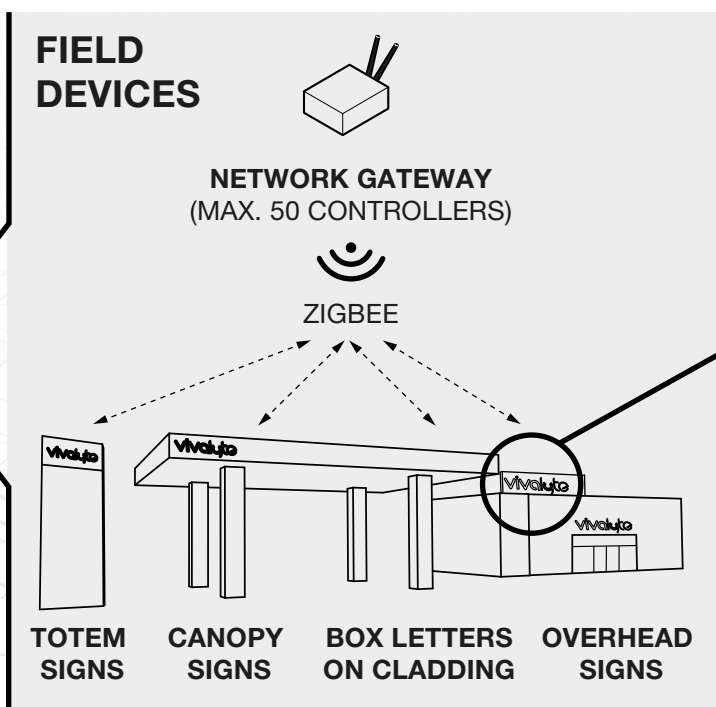
Temperature, illuminance, humidity and heat.

b. Smart power supplies knowing

their **power consumption, current, and voltage.**

Level 2:

Data analysis program with an **easy to use** system interface, that is **browser based**, requires no install and is available on **mobile devices** as well as **PC's**.



KEY BENEFITS



Improved safety (fire prevention)

For example the smart power supply will be shut-off in case of overheating and an error message will be sent to the operator.



Continuity of operations

Longer up-time thanks to **fault reporting** (preventive and at time of fault)

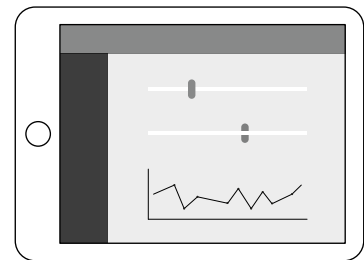


Economic thanks to **intelligent energy management**

Managing the light output of the signages based on scenarios and ambient conditions.

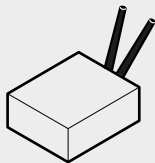
“Easy to use, multiplatform browser based analysis program”

- Real time data collection
- Data analysis and reporting
- User authentication
- Fault reporting and management
- Targeted marketing intelligence*
- No software installation required



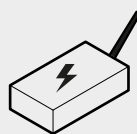
(* in development)

SMART SIGN SYSTEM



NETWORK GATEWAY
(MAX. 50 CONTROLLERS)

220 AC
IN

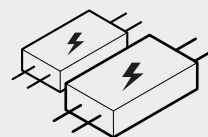


CONTROLLER
(MAX. 4 KW)

220 AC
IN



**LIGHT
SENSOR**



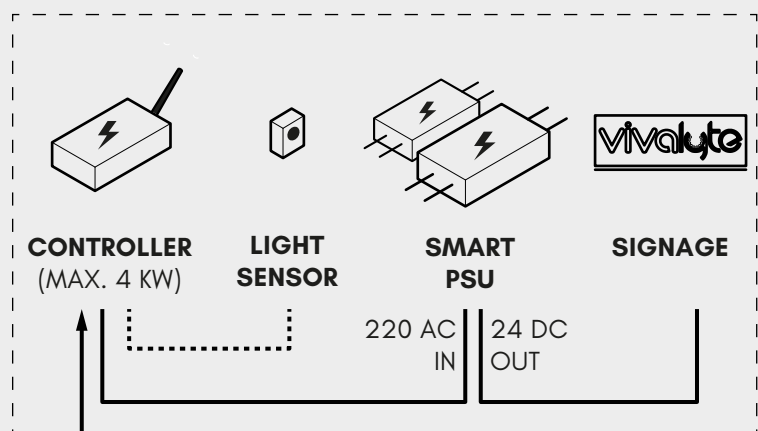
**SMART
PSU**

220 AC
IN



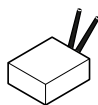
SIGNAGE

24 DC
OUT



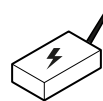
PRELIMINARY TECHNICAL SPECIFICATIONS

Gateway



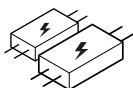
Power consumption	9 W
Input	100-264 VAC
Communication techn.	2.4G zigbee & 4G
Dimensions	171.5x80x37.5 mm
IP rating	IP 67
Certifications	CE RoHS FCC

Controller



Max. current	20 A
Communication techn.	2.4G zigbee
Dimensions	160x80x28 mm
IP rating	IP 67
Certifications	CE RoHS FCC

Smart Power Supplies



Power consumption	200 W	400 W
Input	100-264 VAC	175-264 VAC
Output	24 VDC / 12 VDC	24 VDC / 12 VDC
Dimensions	216x68x42 mm	247x123x51 mm
IP rating	IP 67	IP 64
Certifications	CE RoHS FCC	CE RoHS FCC
Power factor	0.97	0.98

Sensors



Content	Temperature / Humidity / Illuminance / Heat
Dimensions	60x39.8x16.7 mm

