

2021

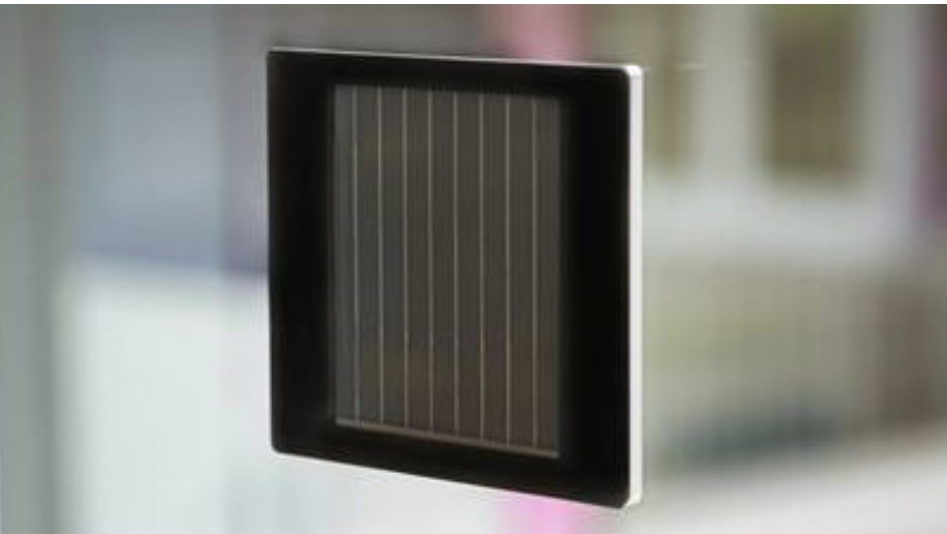
Client
Roomz SA

End user
Compagnies and
Communities

Autonomous Display

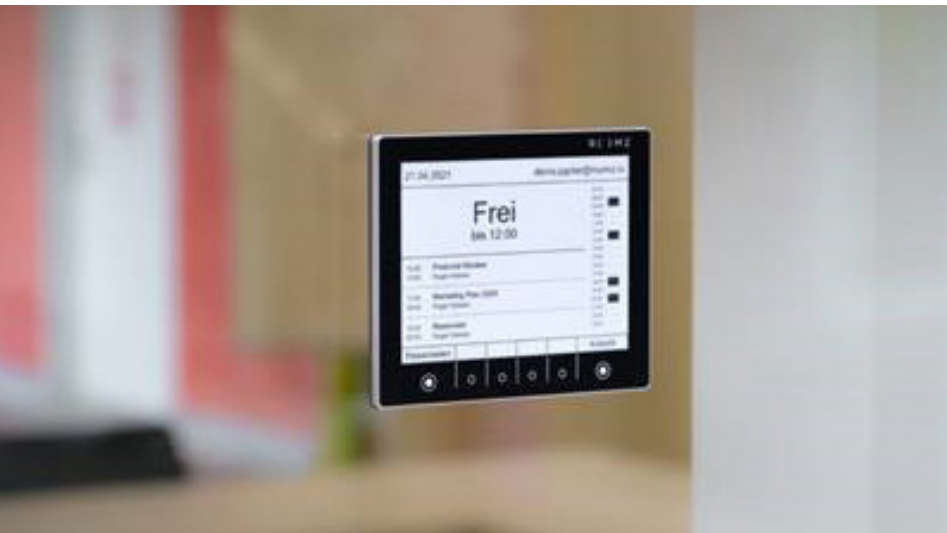
Within the framework of a collaboration with ROOMZ, a Swiss company specialized in creating solutions for the intelligent management of meeting rooms and workspaces, a brand new innovative and low-carbon wireless display device has been developed. The low energy screen is entirely powered by the ROOMZ solar kit, integrating an ASCA® organic photovoltaic module, which makes this solution totally autonomous in energy and thus allows to limit maintenance costs.

The ASCA® OPV module, thanks to its high light sensitivity, is particularly efficient in low-light environments and allows to generate energy in artificial lighting conditions such as in offices. Moreover, it integrates perfectly with the existing solution thanks to its lightness, its slimness and its custom design.



“Thanks to their specific features and their customized shape, ASCA®’s photovoltaic modules fit perfectly into our existing solutions, making them the ideal product for our needs. They offer an answer to IoT’s main concern, which is to power devices with a more sustainable and cost-effective solution through savings on maintenance and operation costs.”

Roger Meier, CEO ROOMZ S.A.



SOLUTION

Dimensions of the OPV module:

13,3 x 13,8 cm

Environment: indoor lighting, ambient light

Autonomy at 0 lux: 4 months

Application type: the ASCA® organic photovoltaic module is integrated directly into the back of the ROOMZ solar kit housing

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AWARDS & MEDIA

Workspace Expo 2021
Innovation Award in
the technology category
for the ROOMZ Solar Kit

PROJECT

First contact and project study phase

July 2020

Prototyping and development

July-November 2020

Pre-serie

May 2021

Commercial launch

September 2021

TASKS

Power management design

Design & Production of photovoltaic modules

Integration of the OPV modules on the device

CONTRIBUTORS

ROOMZ, ASCA

ASCA

ROOMZ