

SmartEEs Success Stories

ESYST

— ZIJEME OSVĚTLENÍM

ESYST company is based on research, development, production and sale of own human centric lighting technologies and systems, which is offered to customers across Europe. Through their SUNTENSE family, ESYST offers higher quality of life and true light comfort to the end user, the luminaries should find use in homes and business buildings alike.

www.esyst.cz



Chandelier prototype

Problem to be solved

There is a lack of intelligent lighting luminaires with a higher quality of the emitted light and a well-being colour spectrum. This leads to low lighting comfort, unhealthy solutions for lighting interiors, which disturb hormone production and thus prevent an undisturbed circadian rhythm.

Solution provided by SmartEEs

SmartEEs offered the development of aesthetically pleasing smart lights, utilizing both LED and OLED for their emission capabilities of required wavelengths. By combining two separate tuneable-white modules and an additional amber unit we can expand color temperature range of emitted light, which improves quality over standard human-centric lights. By adding a smart control on top the resulting lights should offers a wide range of applications and features such as usage statistics witch may lead to more effective use in future and thus lower power consumption.

Business model & SmartEEs' impact

The prototypes produced will be used to expand the SUNTENSE product family. In addition, they will show cooperation partners and customers what is possible and how new areas of application can be opened up by combining modern technologies. Also the fact that OLED panels can be made both with-tuneable and transparent opens up many possibilities for creative, playful and appealing designs.

