

Android App for Supervisory Lighting System

Domain: **Electrical Manufacturing**

Budget: **\$ 50 000 - 100 000 per year**

Team: **1 Android developer, 1 Project Manager**

Duration: **3+ years**



The benefits of human-centric lighting could barely be overestimated. Being designed to adapt to the user's needs, it contributes to well-being, higher efficiency, and even faster healing.

Our customer, a leading expert in intelligent and energy-efficient lighting solutions, turned to *instinctools to make their systems even more user-friendly.

Challenge

To make the configuration of offices and classrooms easy, intuitive and fast.



Task

The goal was to design an easy-to-understand, practical app that would enable its end-users to extend the basic functionality of the lighting system.



Solution

With the app, embodied by the *instinctools team, it has become easy to configure — and reconfigure the lighting system. The drag-and-drop screen means there's no need for training: the user can literally just drag and drop each piece to where they need it. It's possible to call up a pre-created template or save a new one. Lights can be grouped together for scene creation such as special lighting for presentations. Duplication has never been simpler. It's quick to share work on big projects. And to change when task-based lighting is required.

With the help of the app, the software updates itself wirelessly in just one click. That means extra functions install without training. So it's intelligent and ready for anything, such as rule changes to energy efficiency.

Key features



Incorporation into the lighting system



Possibility to create your own templates



Easy to configure and navigate



Simple duplication
(quick sharing on projects)



Drag-and-drop screen



Wireless update of the software via the app.



Pre-created lighting templates

Value

With the help of the app, the end-user, more than ever, can enjoy plenty of possibilities that smart lighting offers. Anything from changing the light color to creating special lighting for different occasions is now available at the touch of a finger. The configuration of smart, energy-efficient lighting has never been so easy and convenient.

Technologies

- **Java**
- **Kotlin**

- **Android SDK**
- **Bluetooth (BLE)**
- **Dagger 2**
- **RxJava2** based libraries
- **Room**
- **MVP via Moxy**

