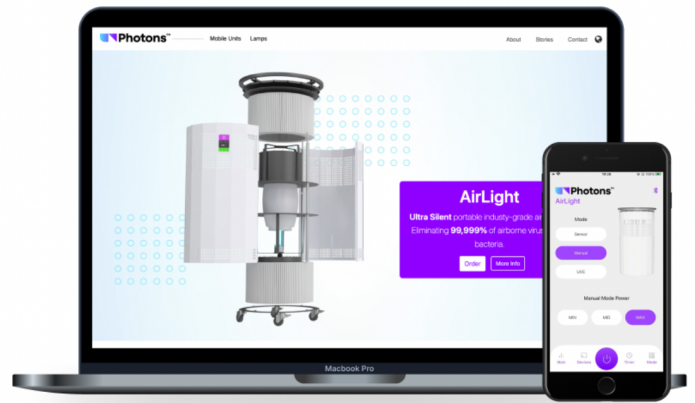# AirLight
Case study

Project description:

AirLight is an Angular web application for UVC disinfection products and an iOS and Android application in NativeScript to control the AirLight air disinfection unit over Bluetooth and Wifi.

Client goals:

A website that interactively presents all the company products and has a blog publishing engine. The website must be accessible in different languages.

A mobile phone application that connects over Bluetooth to a microprocessor over a predefined protocol and wifi to a REST API.

Tech concept:

The website framework is Angular, which interacts with the Ghost blog engine and a REST API backend service. The mobile application is written on the NativeScript and Angular framework for iOS and Android.

Bluetooth protocol is implemented on a NativeScript module and utilizes Angular subscriptions to handle the data exchange. The application automatically detects the optimal connectivity mode for a specific product in terms of Wifi or Bluetooth and supports the same level of functionality regardless of the network layer.

Technology stack:

Angular, NativeScript, TypeScript, Bluetooth, REST API.

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