



Product Nameplate Recognition App

OHI/O Hackathon - October 21st & 22nd

Introduction

Eaton Corporation produces thousands of Electrical products that are labeled with a unique nameplate. These products are produced at one of Eaton's hundreds of manufacturing plants across the world. These nameplates are posted on these products to both identify them as Eaton products, and to also help the customer reorder the products. In order for the customer to reorder these products, they simply need the product Catalog Number or Style Number.

Challenge

While these labels suffice for Eaton's customers, Eaton service technicians who work on these products need to know much more specific product information in order to service them properly. Since a number of Eaton internal resources need to be solicited for this information, it can take a long time to gather it and in the process, this introduces service delays and limits Eaton's ability to service a larger number of locations during any given day.

Eaton is challenging OHI/O Hackathon participants to create a mobile app that service technicians can leverage to obtain the information they need faster by scanning the nameplate and interpreting the results. This solution should leverage the phone's camera to complete this scanning. The fields with which these technicians may want to retrieve on the spot are the following:

- **Mandatory**
 - Brand (Eaton has a number of subsidiary brands that produce similar products)
 - Catalog Number or Style Number
 - Order Number (listed as GO# or PO#)
- **Bonus**
 - Range
 - Voltage
 - Serial Number
 - Unit Number
 - Manufacturing Date
 - Manufacturing Location
 - Physical Location
 - Drawing Number

Teams that accept this challenge will be provided with a number of sample name plates to assist in building and testing the mobile app's scanning capabilities.

Evaluation

Teams will be judged on their ability to create a mobile application that meets the criteria above. The best solutions to the challenge above will be those that employ a seamless user interface that a technician in the field could pick up and leverage with ease. Functional prototypes are preferred, but any creative solution that fits outside of the framework identified above are welcome. If the team has design expertise but not developer skills, storyboards and a design presentation around how we can better serve our service technicians would be accepted.

Relevant Links

[Eaton Nameplates PowerPoint](#)

Prizes

Each member of the winning team (up to 4) who builds the most effective Name Plate recognition app will win a pair of JBL - EVEREST 700 Over-the-Ear Wireless Headphones!

Product Description: JBL - EVEREST 700 Over-the-Ear Wireless Headphones – Black

Home/studio-style Bluetooth wireless noise-canceling closed over-ear headphones that come with a detachable audio cable with a built-in mic and call answer/music player control button for iPhone/iPod/iPad and smartphone use, a USB charging cable, a carrying case, and the free My JBL Headphones app download for Apple and Android mobile devices.

