

Product lives at job site. Each worker has an individual storage and charging device to keep their custom fit ear protection secure, sanitary and charged between shifts. Returning the device to its designated location removes the possibility of devices being left away from job site, thus delaying their work.

Charging devices can stack together on the hub to reduce cable clutter at the job site. The hub also functions as the time management device for workers to start their day, keeping the worker's safety emphasized as of equal importance to the time spent on the job.



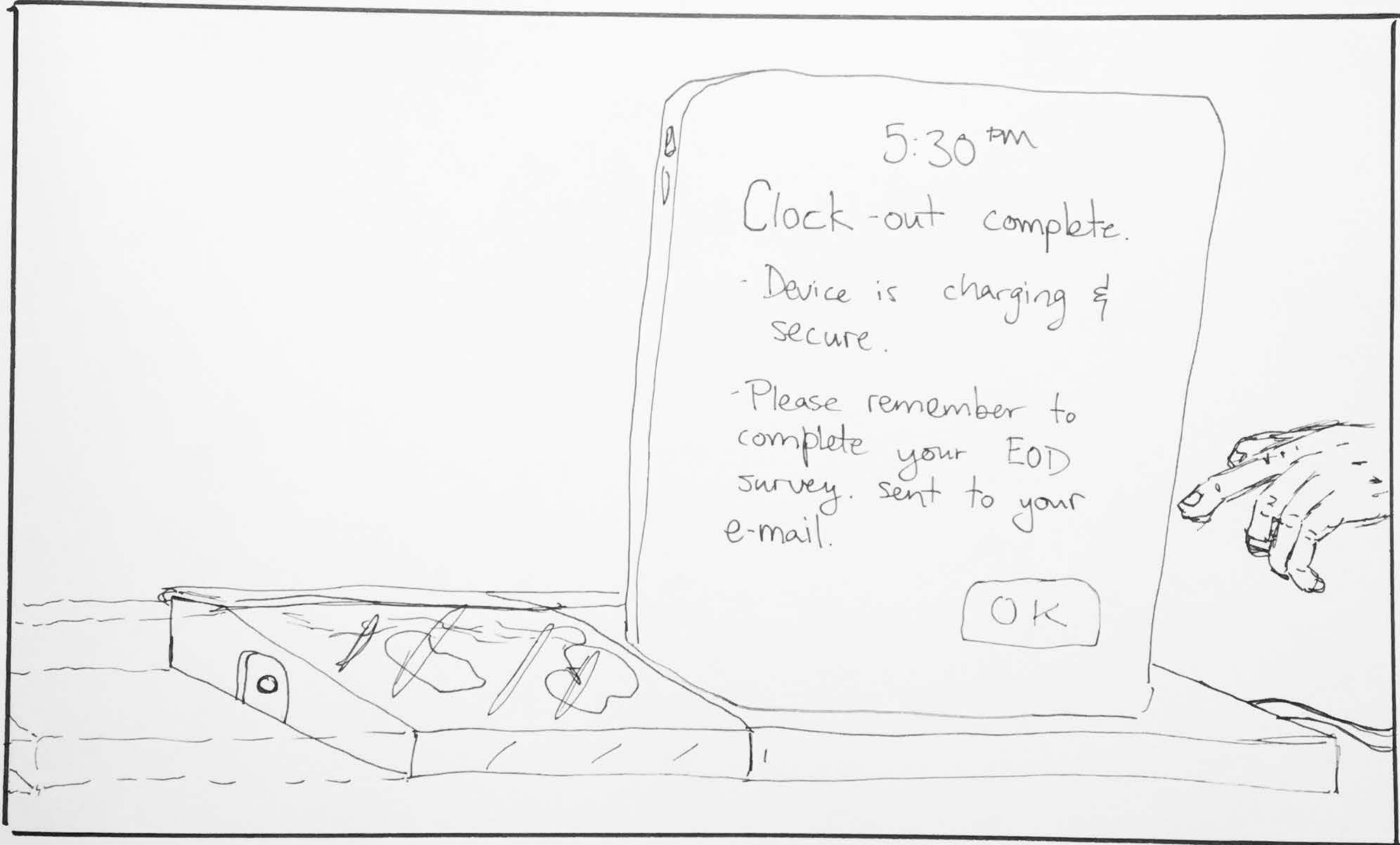
Inside the device is NFC communication. At job site access point, monitoring station alerts workers if they have a secure fitment on their ear protection via an in device microphone. This sends a yes/no signal to the monitoring point based on regulation designated safe noise level threshold.

Access point station also records and transmits hearing protection usage data to the safety manager for accurate reporting.



An external microphone on the hearing protection device allows workers to communicate while harmful job site noise is filtered out.

By pairing the device with a smart phone, site administrators can connect teams with communications channels. This allows teams to stay in constant contact, and eliminate hazardous cross-talk on the job site.



At the end of a work day, workers return their hearing protection devices to its secure charging location. This ensures devices are charged and ready when they arrive the next day. This also sends daily usage data to the safety manager, and signals the hub to send the worker a daily feedback form to their email.

The worker feedback form asks workers to rate their device's comfort and functionality on a 5 point scale, and gives them space to comment about any issues they are having at work. These data points are compiled and sent to the safety manager who is able to review and address any issues as they arise.

Compliance and Satisfaction Metrics

	% Time on Site Using Hearing Protection	% Worker Satisfaction with Hearing Protection
Joe Johnson	100	100
John Joelson	100	100
Joel Jackson	100	100
Jack Jorgensen	85	20
George Jeffson	100	100
Jeff Jameson	100	100
James Larson	100	100
Lars Gregorson	100	100

This table is an example the complied data which would be sent to the safety manager.

It takes the data from the devices and access point station on whether or not workers have them properly fitted during their shift, and the average scores workers give on their end of day survey to provide at-a-glance information about who has needs the manager can help address.