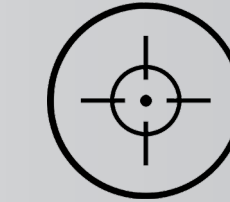


CPR Data Collector

for HEMS crew during OHCA rescues

The CPR data collector is designed for the HEMS (Helicopter Emergency Medical Service) team to collect the chest compression data during OHCA (Out-of-Hospital Cardiac Arrest) rescues. It is connected to the CorPatch - a medical sensor brought by the HEMS team, to collect and store data, and upload data directly to the Google Sheets via Wifi. For each HEMS team, three data collectors are prepared: red for backup, blue for the automobile rescue backpack, and yellow for the helicopter rescue backpack.



Accurate in data collection



Fast to set up



Durable in rescues



Review in Google Sheets



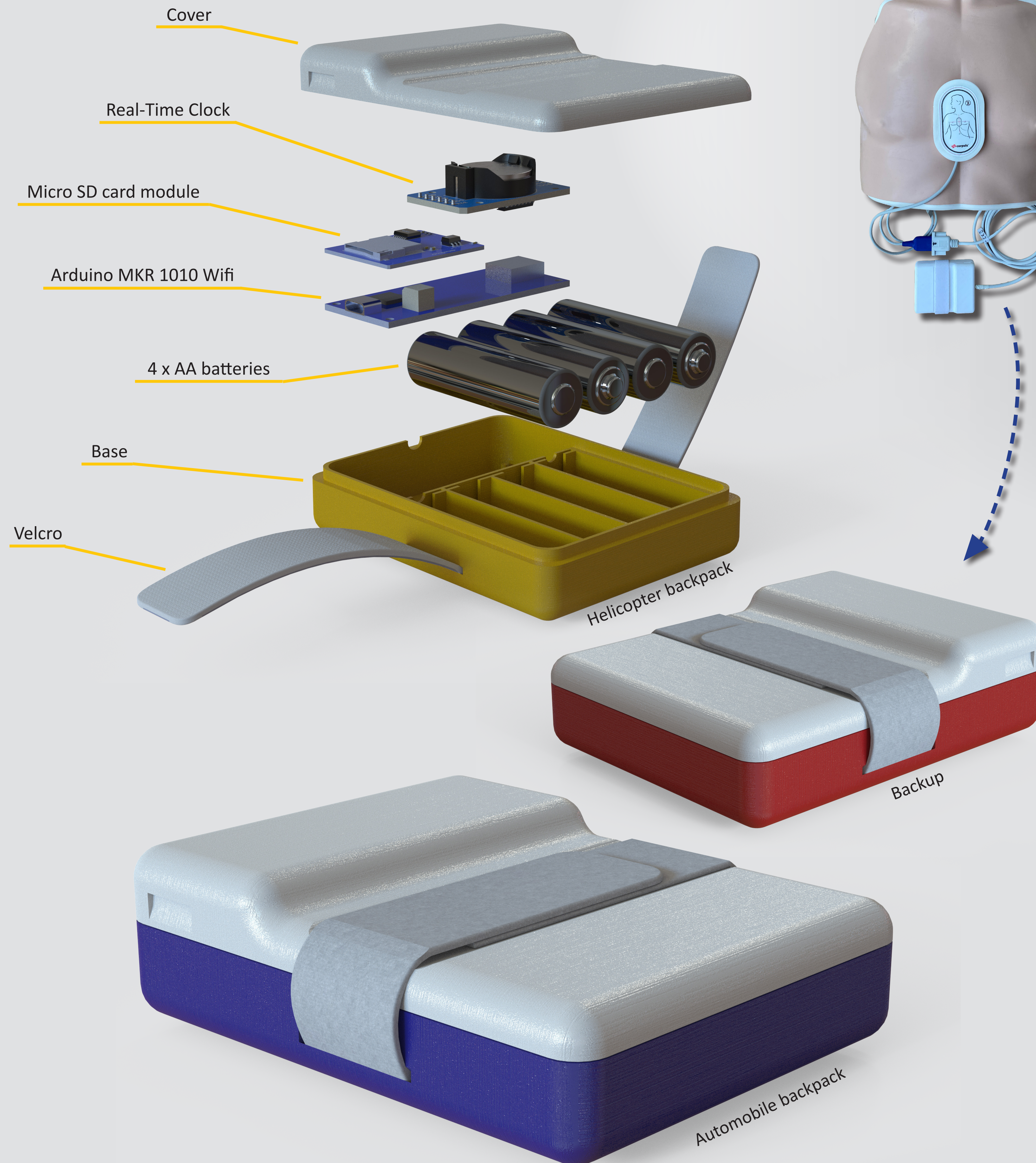
Battery exchange once a week

0s
Data collector stays in the rescue backpack

3s
Take out the sensor patch to the data collector

6s
Place the sensor patch on patient's chest

8s
Start Chest compression and data collection



Yu Zhang
Design of a data collector for HEMS crew during OHCA
31/08/2020
Integrated Product Design

Committee
R.H.M. Goossens (Chair)
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