



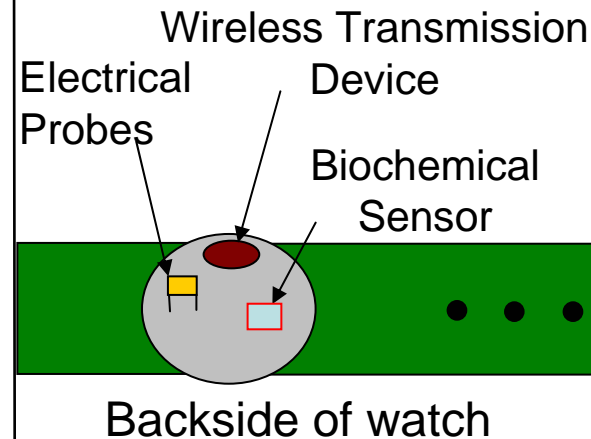
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# HydrAlert

## Challenge 7: Open Design

### DESIGN CONCEPT

- non-invasive soldier hydration tester
- small, lightweight device that combines with wristwatch and wireless network
- combines multiple hydration testers: camelback levels, biochemical secretion, and skin conductivity change



Hydration Hand

### DESIGN HIGHLIGHTS

- detects early-stage dehydration
- alerts commanders of soldiers' hydration conditions wirelessly
- integrated with current technology via "hydration hand" on watch
- expansion to include urinalysis
- military/athlete/outdoor enthusiasts applications

### SOLDIER BENEFITS

- quick, accurate, and simple
- no added weight or batteries required
- alerts soldiers at onset of dehydration
- allows medical teams to monitor conditions
- most importantly - **saves lives**