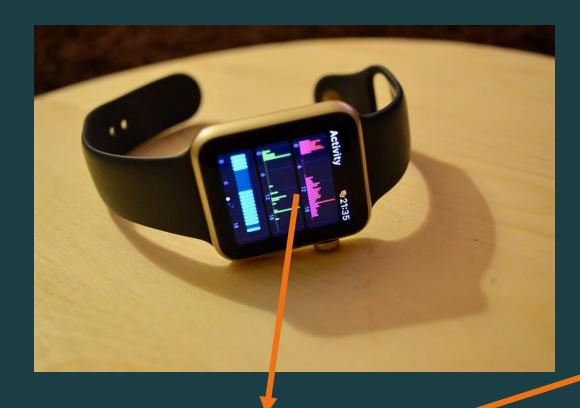


MOTIVATIONS

- Not easy to access immediate medical supports in rural areas
- Sophisticated devices not affordable

- Provide affordable urgent medical support for rural areas
- Increase the survival rate when emergent events happened

PROBLEM SCENARIO

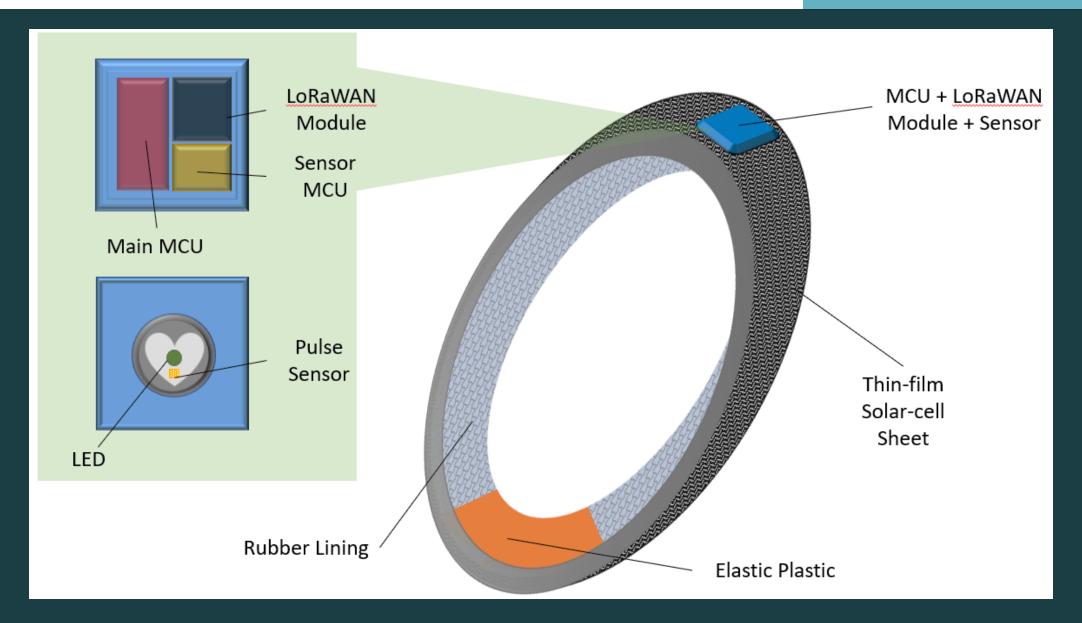


Battery & Screen Removed

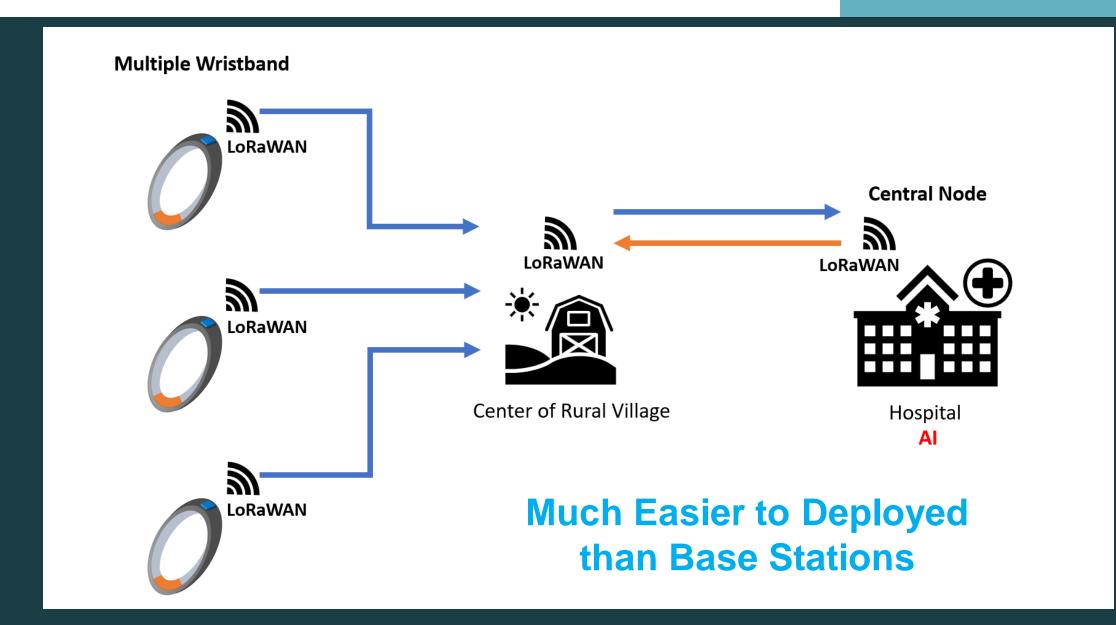
- Expensive
- Bulky

- Affordable
- Robust





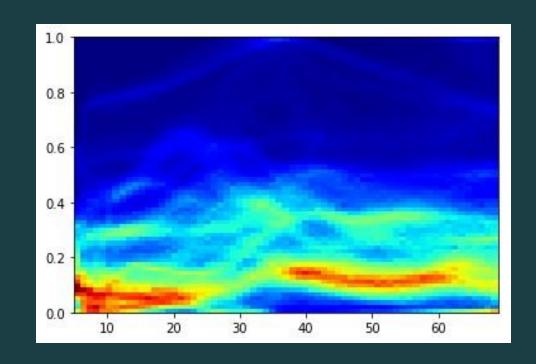
PROPOSED PRODUCT



NETWORK DIAGRAM

```
Training Model XGB
Training Accuracy: 0.99971
Testing Accuracy: 0.99971
Testing Confusion Matrix:
[[19973
                            0]
       22
     0 20000 0 0
           0 19998 0
                0 20000
                      0 20000]]
Recall Score: 0.99971
Precision Score : 0.99971
Testing F-1: 0.99971
Testing F-Beta: 0.99971
```

- XGBoost: Al Training Algorithm
- MIT-BIH Arrhythmia Database



TRAINING RESULTS OF AI SYSTEM

PRODUCT FEATURES

Affordable Cost

Robust

Flexible & Smart





Each Wristband costs less than \$10 USD in prototype

Bend-tolerant
Waterproof
Easy Maintenance

Suitable for both
Emergent
Response &
Long-term
Evaluation

