**Sensor Node**

H S/C
M

Harvestor

Correlation

16bit DNN (x-bar)

12bit DNN (x-bar)

Coreset: Imp Smp/Clust.

Power-Pred + Decision Logic (MCU)

Sensor Data

Wireless Communication

**Seeker Ecosystem**

EH + Sense + Compute   EH + Sense + Compute   • • •   EH + Sense + Compute

**Host**

Coreset Reconstruct
DNN for Recovery
Cluster Recovery

Classfied Results

DNN for Inference

Ensemble Engine