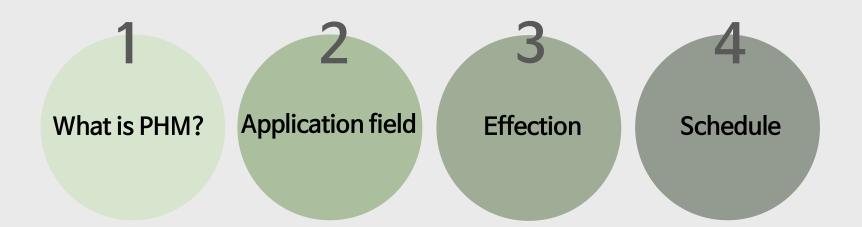
PHM Technology Development in IoT Device

Eunsong Sim Jaesung An Jaehyun Kwon Taehoon Yu

INDEX



PHM (Prognostics and Health Management)

1980s



Corrective Maintenance

1990s



Preventive Maintenance

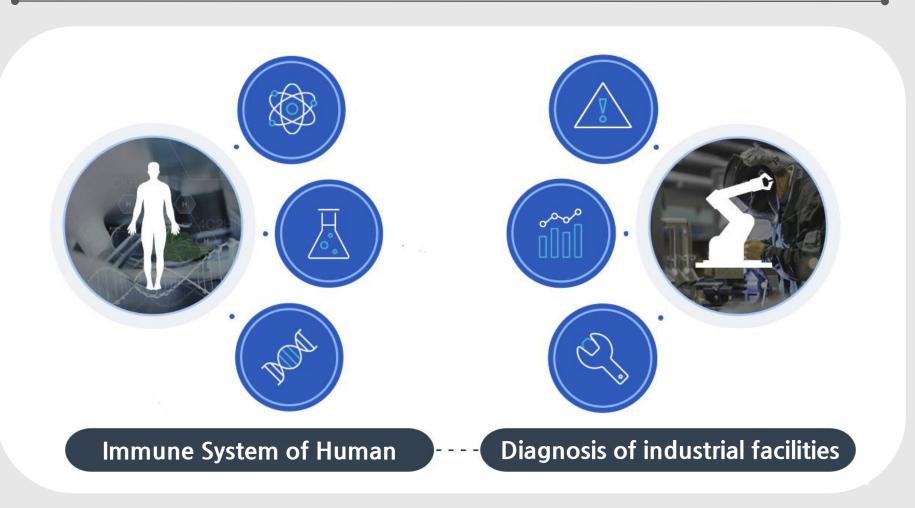
Nowdays~



Predictive Maintenance

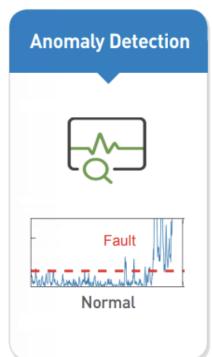
"PHM"

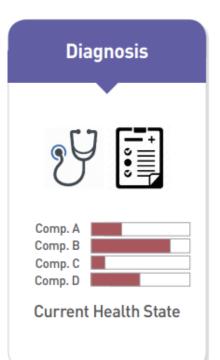
PHM (Prognostics and Health Management)

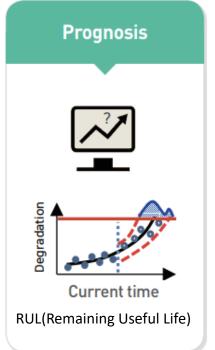


Steps of PHM









Application field





Application field



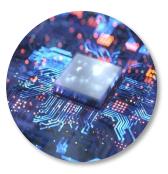
Aviation



Plant



Heavy Industry



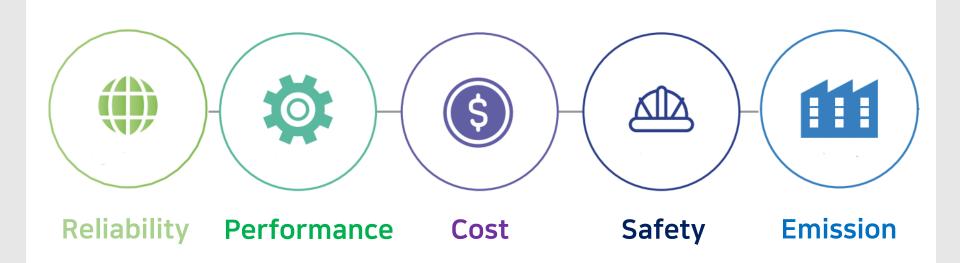
Semiconductor



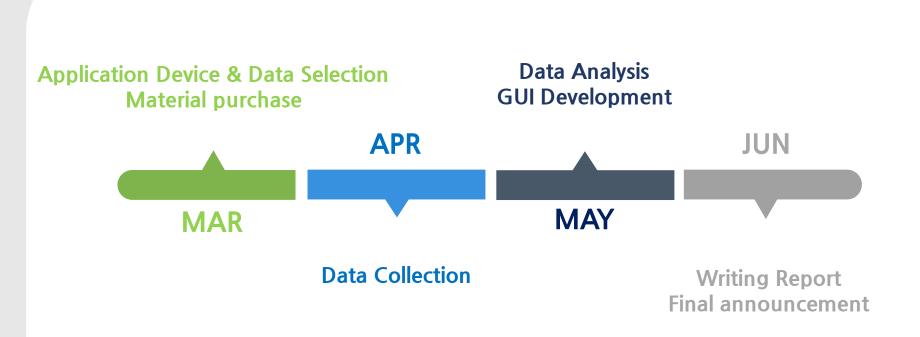
Car Engine

Effection

Comprehensive Optimization



Schedule



Schedule

Application Device & Data Selection

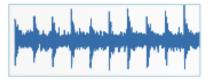


Motor

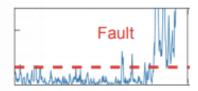
Factors

- -Electric current
- -Voltage
- -Temperature
- -Vibration
- -Noise

Data Collection



Data acquisition



Thank you