

Nexplant Use Case

Predict Maintenance Timing based on Big-Data Analytics

Big-data analytics is used for manufacturing process to learn and collect data on facility deterioration, the frequency and level of anomaly, then identifies the cause of anomaly and predict timing for facility maintenance and replacement.

What is the cause of breakdown?
When to replace?



Semiconductor
Capital investment
Around KRW15T/yr

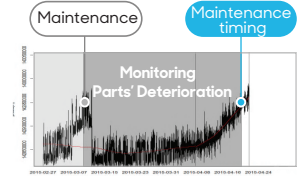
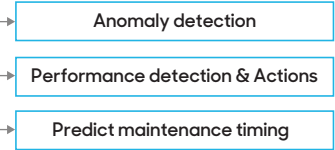
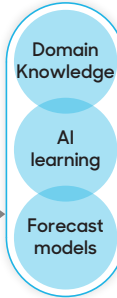



Facility



Data
collection

Around 250GB/
Device,Day



Reduce cause-analyzing time by 90% 

Improve capacity utilization rate 