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Vibration measurement and
analysis case study

Panel making industry

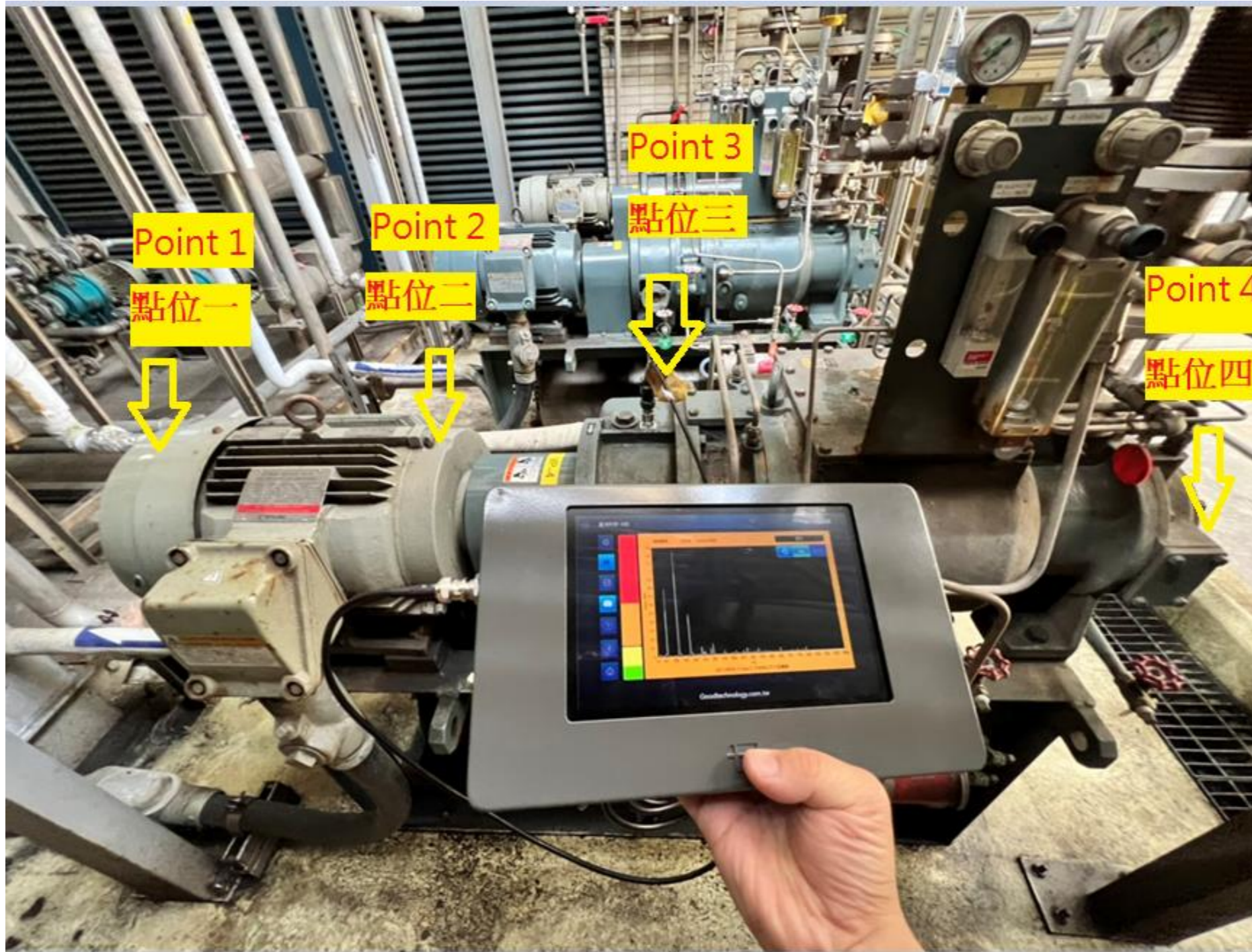
Different machine types have their own monitoring methods, depending on the accompanying risk levels, we equip 24hrs 7 days online monitoring system for the large and critical machines which impact directly the production capacity and product yield. However, we have other rotating machines other than production assets, like a diversity of motors, pumps, compressors, etc. those electrical, BOP(balance of plant) units which we consider comparatively semi-critical to the production line. Due to financial concerns, you might not have a sufficient monitoring budget for those less critical ones. No matter what, you should never neglect their importance cause a peak performance factory is composed of every big and small machine.



Customer background: A world-leader innovator in display tech. and solution, being diversifying across numerous vertical markets and industries of energy, medical, industrial, consumer types, etc.

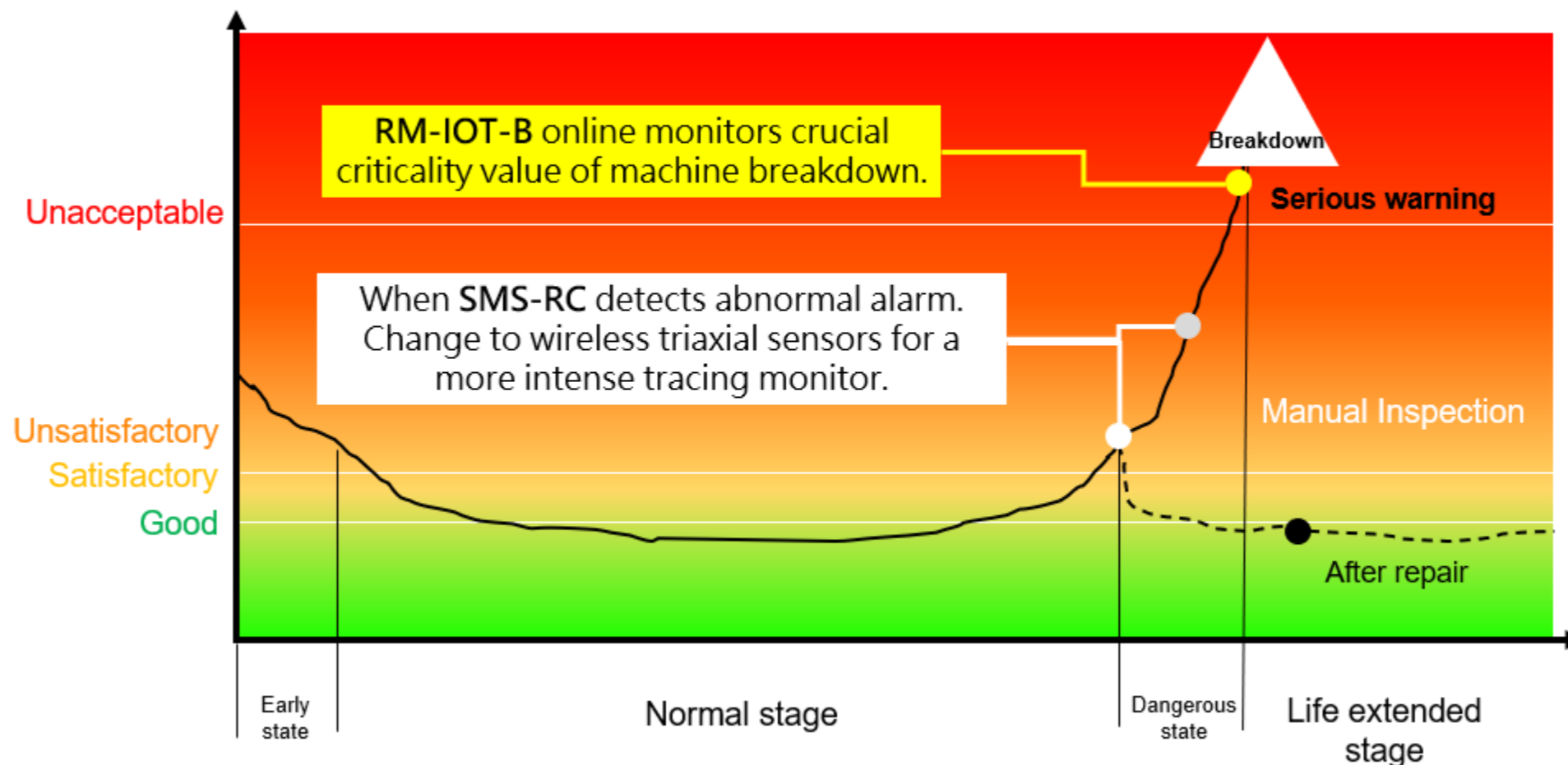
Requirement: Implement PdM(Predictive Maintenance Solution) to raise the reliability of the production line and ensure the effectiveness of repair for diverse rotating machinery, for example, Dry Pumps and other rotors. (Real environmental picture as below)





SMS-RC, vibration analyzer, enables high flexibility on route inspection, simple operation, auto analysis right on site.

When detecting anomalies according to ISO regulations(20816 & 1940), users sometimes are curious about machine max. rest of life. In this scenario, users can deploy RM-IOT-B, online monitoring system, for the post monitoring to upgrade from manual inspection for a high intense data collection with minimum monitoring cost.





SMS-RC

Rotating machinery vibration analyzer

Predictive maintenance
Rotor Care Solution



All sectors: pump, compressor, motor, etc.

- Easy to carry : Light weighted portable analyzer
- Easy to operate : 2-step simple setting
- Easy to understand : Result in color signal display



RM-IoT-B

Predictive Maintenance Solution
Rotor Online Monitoring

LoRa LPWAN



- Rotor Quality
- Temp. Monitor
- Vibration Value Threshold
- AI Degradation Inference

Testimony in various vertical markets

Upstream Semicon (Crystal Growth)	Midstream Semicon (Logic & Memory IC manufacturing)	Downstream Semicon (Test and Package)	PCB Industry	Panel Industry	Automation Industry	Petrochemical & Conventional manufacturing	Machine Tool

Key customers of research institute					
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