DAS 2.0 落尘监控系统
Dust Analysis System 2.0

DAS2.0是专为光伏电站设计的落尘监控系统，能协助业主管理光伏组件的清洗排程暨优先顺序，让高度劳力密集的洗板作业更具效益，帮业主、运维业者每年省下可观的清洗费用及增加发电收入。DAS2.0自推出以来，安装数量超过200多台，总计电站落尘监控容量超越GW以上。

监控电站发电损失
- 适合各类型新、旧电站
- 提供专属云端资料储存及监控网页
- 7/24掌握电站落尘情况

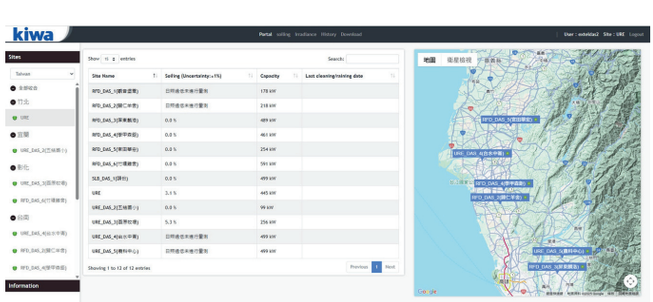
制定最佳组件清洗时程
- 减少清洗资源浪费，降低运维成本
- 提高电站发电营收
- 及时清洗组件，可避免热斑产生

安装容易适合各类型电站
- 可安装在光伏电站既有的支架上
- 成本低、投资效益高，一年回本
- 适合地面型/水面型/屋顶型

地面型光伏电站
可安装多台 DAS2.0，实施分区落尘监控。依各区落尘量多寡，轻松排定组件清洗作业，降低清洗费用

水面型光伏电站
可客制化独立电源设计，安装在浮筒的支架上，适合大面積水面型电站，即时掌握多点落尘状况

屋顶型光伏电站
协助业主排定电站组件清洗时机及优先顺序，达到发电效益最大化，适合管理分散式电站群



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DAS 2.0
Dust Analysis System 2.0

An IoT device to quantify the soiling loss of PV power plants

DAS2.0 is an IoT device specifically designed to monitor the soiling loss of PV power plants. The real-time data helps asset owners/operators to optimize the module cleaning schedules and boost the energy generation. By avoiding the unnecessary cleaning, DAS2.0 can also reduce the O&M costs. Since its launch, over 200+ units have been installed, monitoring soiling loss across multiple GW PV assets in Asia.

Monitor Power Loss due to Soiling

- Suitable for both new and existing PV sites
- Dedicated dashboard for each customer
- 24/7 real-time dust monitoring

Optimize Cleaning Schedules

- Reduce unnecessary cleaning and O&M costs
- Increase energy generation
- Clean modules promptly to avoid hot spots

Adapt for All Types of PV Power Plants

- Ground mount/Floating/Rooftop PV
- Quick installation on existing frames
- High return on investment–payback within one year

Ground Mount Solar Sites

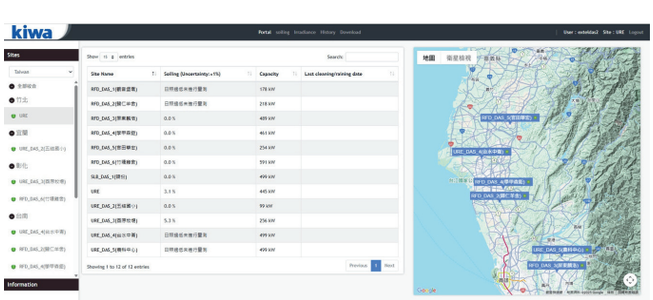
For utility-scale PV power plants, one can install multiple DAS2.0 units for zone monitoring. Cleaning can be prioritized by zone and not every zone needs to be cleaned

Floating Solar Sites

For floating PV, DAS2.0 can be supplied with an independent power source. The off-grid battery design is ideal for offshore large-scale FPV

Rooftop Solar Sites

For a fleet of rooftop plants, the operators can prioritize the most needed assets for cleaning, reduce the cleaning costs and maximize the overall power generation



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