

## SunSniffer wins SunRISE TechBridge Challenge

**Fraunhofer Institute, Greentown Labs and DSM awarded outstanding solutions of reducing leveled cost of electricity for PV systems. SunSniffer won it its class!**

Digitalization is the key for increased yield and cost reductions! SunSniffer is a combination of a low cost hardware and an analysis service for PV plants. SunSniffer not only lowered the sensor cost dramatically to an all-time low without sacrificing measurement quality. Parallel SunSniffer developed an artificial intelligence to run the plant based on the values which are measured. The system tells the O&M service which module or parts should be exchanged or repaired. In the past, people had to find the error in the plant first. Many errors could not even get identified. That was the reason why PV plants never reached their maximum performance.

“SunSniffer is fundamental to creating new services and revenue streams, and enhancing productivity and efficiency in existing PV systems by delivering intelligent and autonomous decision-making in real time.”

SunSniffer is a key use case for IoT predictive maintenance which SunSniffer manages second to none: It can accurately diagnose and prevent failures in real-time. Repairs of failures can be extremely expensive, adding to the loss due to downtime. Typically, technicians inspect a plant by suspicion or on a regular basis irrespective of a real need for it. But neither holds a guarantee that A) all failures actually are found or B) no new failure will occur in between inspections. With SunSniffer failures are apparent instantly and remotely, services can be conducted only when really needed.

SunSniffer is available for new plants but can be integrated into existing systems as well. Plant owners will generate a higher yield and reduced O&M cost. Autonomous managing of PV plants can be so easy.

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