

# Generation and Distribution Systems at the Base of Operations for On-Site Inspection

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One challenge of on-site inspection (OSI) is preparing for deployment to unknown locations with unknown resources. A critical element of a functional base of operations (BOO) is stable and reliable electricity. The current component for the power system for OSI include diesel generators, UPS and hybrid power system that can accept power from other generation sources, such as solar. UPS systems allow for quiet time without the diesel generators reducing fuel usage and CO2 production. The system is designed to be resilient and has management software to switch power sources depending on the power consumption at any point in time. The BOO systems are also supplemented by field deployable power banks and solar panels for powering technical equipment such as the SAMS mini arrays and noble gas samplers.

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## Promotional text

Stable and reliable electricity is critical for a successful OSI. The OSI power generation system is resilient and self-managing freeing up time for other tasks at the base of operations.

## Oral preference format

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