

# KATEK

Lead the category



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## KATEK Memmingen GmbH - Off-Grid monitoring system



# NEW: Fernlite

## The monitoring solution for Off-Grid PLI inverters



FernView portal



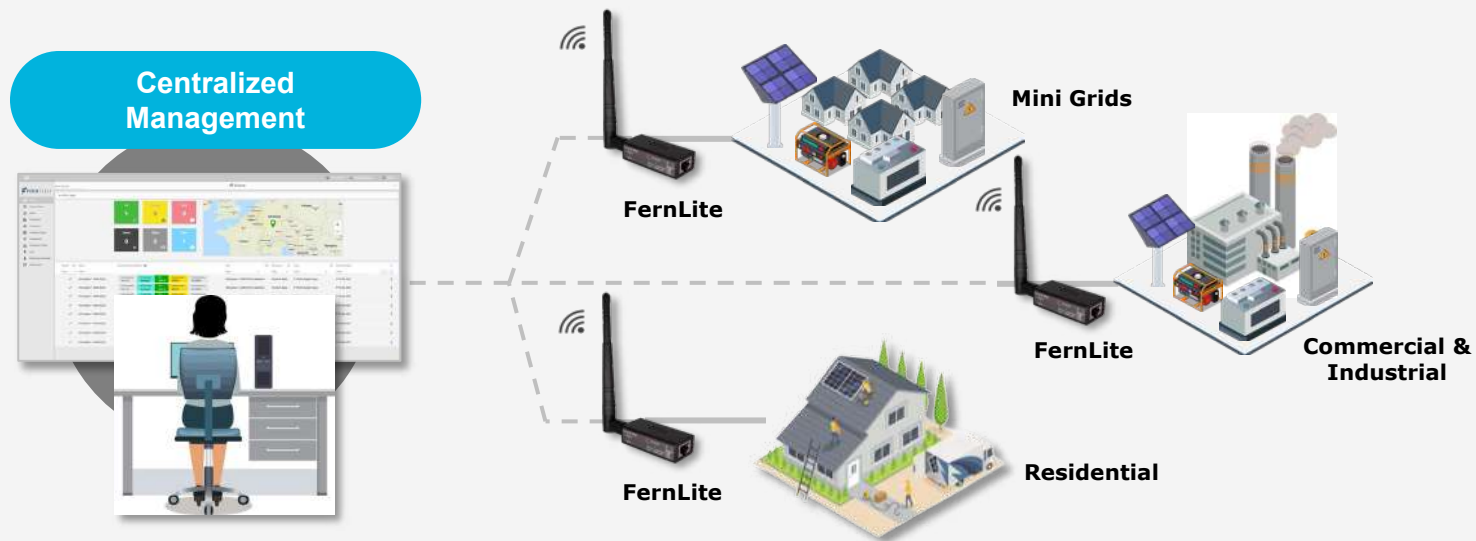
FernLite Wifi

In colabration with



# Main Benefits

Monitoring enables effective centralized operation and management of fleets of solar PV systems at scale:



## Aggregate

- Aggregate data across all system portfolio
- Accurate high-frequency data collection
- GSM/Wifi to cloud to one dashboard

## Analyze

- Track performance
- Compare with optimal values
- Benchmark against peer assets

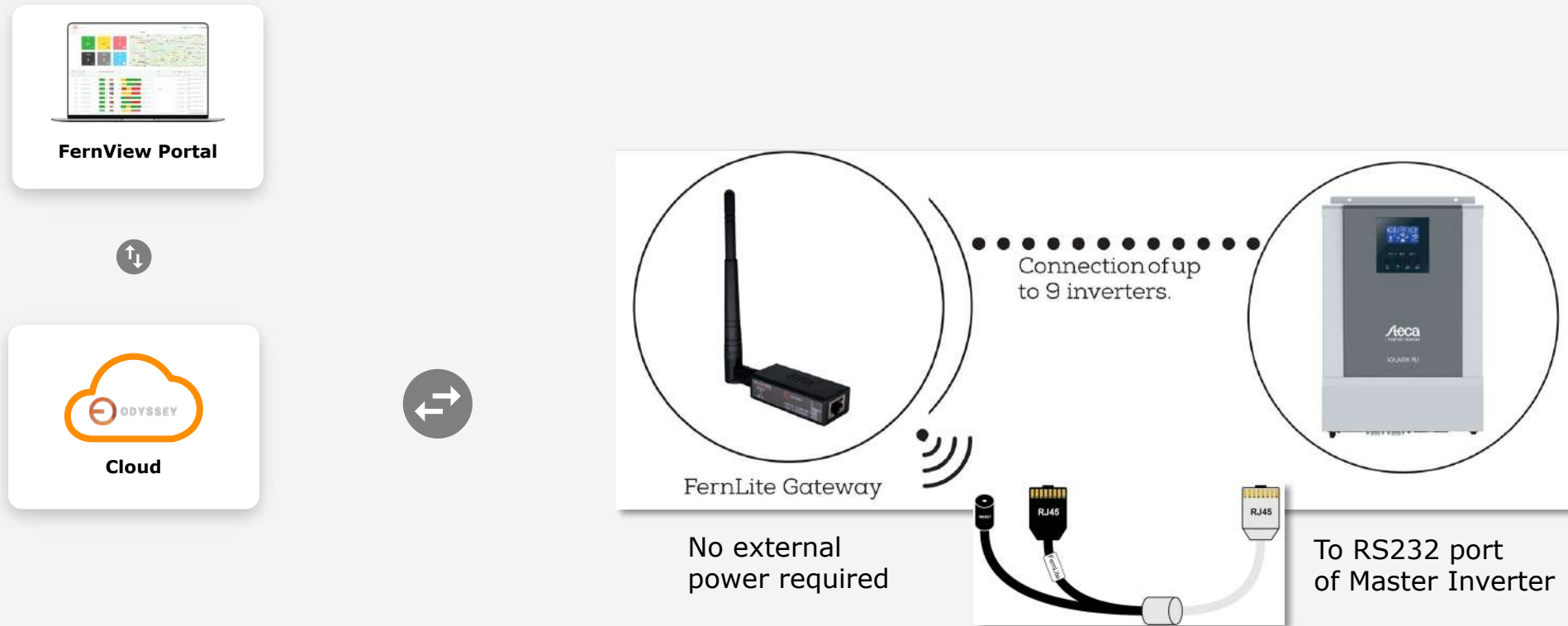
## Control

- Remotely change Inverter configuration and track historical changes
- Custom alerts
- Reporting
- Troubleshooting tools

## Efficiency

- Avoid trips to site
- Diagnose problems remotely
- Reduce O&M costs
- Improve design optimization
- Increase system lifespan

# How does it work?



Single packaging for each unit that will include

- FernLite Wifi IoT gateway
- WiFi Antenna
- FernLite RS232 cable (2XRJ45 + Reset button)
- Fixed holder

**Note: No need for external power supply!**



- Low cost
- Easy installation
- External power supply not required
- No local data storage available or data compression
- Suitable for both single phase and three phases system (up to 9 inverters per system with one FernLite)
- 4G version available under request
- End to end encrypted data transfer





# Main Software Features

- Intuitive status overview of all systems
- Standardized dashboard with layout diagram, Key performance indicators and charts to immediately understand how a system is performing
- Change the inverter configuration remotely
- Keep history record of all configuration changes made
- Set-up notifications via e-mail or slack when an alarm is triggered or thresholds are reached
- Export data via to csv/excel
- API integration available for third-party software
- Create an unlimited number of users and manage their rights
- Manage sub-companies to logically organize systems and users
- English, Spanish and French available
- Advanced monitoring and control features also available on request

