Odyssey is a secure, web-based data platform that is facilitating rapid deployment of mini-grids in emerging markets.
Odyssey At-a-Glance

By centralizing and standardizing end-to-end data, Odyssey enables effective management of all mini-grid activities in a country.
Odyssey for Rural Electrification Authorities

1. For the first time, a single place to manage every single aspect of distributed energy programs – from surveying to operations monitoring

2. Standardized, efficient, and robust project evaluation tools, ideal for financing facilities; tenders, call for proposals, & results-based financing

3. Highly customizable software adapts to your program design: with specialized training for all stakeholders on mini-grid analysis

4. Odyssey is THE platform for implementing Power Africa & NREL’s Quality Assurance Framework protocol

5. Not only powerful for REAs: over 100 project developers are independently using Odyssey, meaning easy compliance programs
The Odyssey End-to-End Data Cycle

1. Customer & community surveys
2. Live System and Meter Data
3. Connections and Construction Data
4. Financial projections and model
5. Technical designs
6. Load projections
7. File Management: Permits, MOUs, Land leases, etc.
8. System Design

Connections and Data Flow:
- Customer & community surveys feed into Load projections.
- Load projections are used by System Design.
- System Design provides Technical designs.
- Technical designs inform File Management.
- File Management provides Load projections for System Design.
- Live System and Meter Data are integrated throughout the cycle.

Process Flow:
- Input data (customer surveys) are processed to generate load profiles.
- Load profiles are used for system design.
- System design outputs technical designs.
- Technical designs are used to manage files.
- File management provides data for system design.
- Closed loop cycle ensures continuous improvement and data integrity.
The Tool for Financing and Managing Distributed Energy Programs

Managing all data and monitoring for $350M REA and World Bank NEP program

Facilitating REA and GIZ REF program

Platform for sector’s Quality Assurance Framework monitoring system for regulators, governments & financiers

Platform for open tender of ECOWAS ECREE3 mini-grid program across Western Africa

African Minigrid Developer’s Association (AMDA) – collaboration on sector-wide data insights via Odyssey portal

Over 100 project developers building projects across Africa with over $700M in capex
What Odyssey Does For You

Odyssey's software has interconnected data modules for easily managing every step of a minigrid program.

- **Feasibility Analysis**
  - Predevelopment Surveying by REA or developer
  - Load profile and generation design
  - Technical feasibility on a per project basis

- **Program Management**
  - Streamlined submissions to customized portal
  - Centralized document collection
  - Communicate through platform

- **Finance**
  - Standardized metrics, industry approved financial model
  - More visibility into project assumptions
  - Evaluate projects or portfolios

- **Portfolio Monitoring**
  - Performance dashboards that pull live data
  - Report creation
  - Construction and connection monitoring
  - KPI tracking
Feasibility Analysis

Predevelopment Surveys

Load Profile Creation

Generation Design powered by HOMER
Program Management

Track and organize submissions

Communicate with applicants & track project progress

Please find attached my submission for your review. I have made an update to the capital stack table.

Submission well received and in review.
Financial Tools

Financial Modeling

Detailed revenue assumptions

Odyssey Intro  Odyssey for You  How it Works  REA/ANPER  Q&A
Using the Odyssey work flow and tool suite, participants develop standardized financial proposals. Odyssey’s data engine generates intelligent analytics.

- **Site Data**: All site-related data including location, survey data, community information, and all required documentation.
- **Load Forecast**: Granular load forecasts with transparent assumptions, broken down by customer categories.
- **System Design**: Key generation system data, verified by HOMER Energy, the gold standard for system simulation & optimization.
- **Capex & Opex**: Odyssey automatically calculates key cost metrics from standardized reporting templates.
- **Financial Modeling**: Standardized project Pro Formas based on costs, tariff structures, and financial sensitivities.
Monitoring and Evaluation

Track connections for results based financing

Track project development across numerous stakeholders
Monitoring and Evaluation

Performance dashboards from metering and generation assets

Monitor projects using Quality Assurance Framework

Portfolio monitoring: combining projects by program or region in one dashboard
**The Opportunity:** In Nigeria, the REA and World Bank are launching the **$350M Nigeria Electrification Program**

**The Challenge:** How to manage three different financing windows, survey sites and share that data with applications, track results for results based financing, make data publicly available, and do it all at a **scale of thousands of projects**?

**The Odyssey Solution:** Odyssey has created once central NEP hub, that enables data driven decision making and an efficient project evaluation process. Odyssey built the tool for conducting and managing data for 250 feasibility studies. Odyssey will track all connections and project performance all while driving down the costs of running the program.
ANPER and Odyssey

**The Opportunity:** ANPER in Niger is greatly expanding their minigrid activities, with several different financing programs

**The Challenge:** With four different donor programs to manage, how to have one central platform to engage with developers and track data, all while being able to view results and projects by financing program

**The Odyssey Solution:** Odyssey has developed tools to view pipelines, portfolios of projects, and performance dashboards by category, including by financing program. ANPER has already begun the process of presurveying sites and putting that data in Odyssey for the tendering process.
Thank you!

Questions?