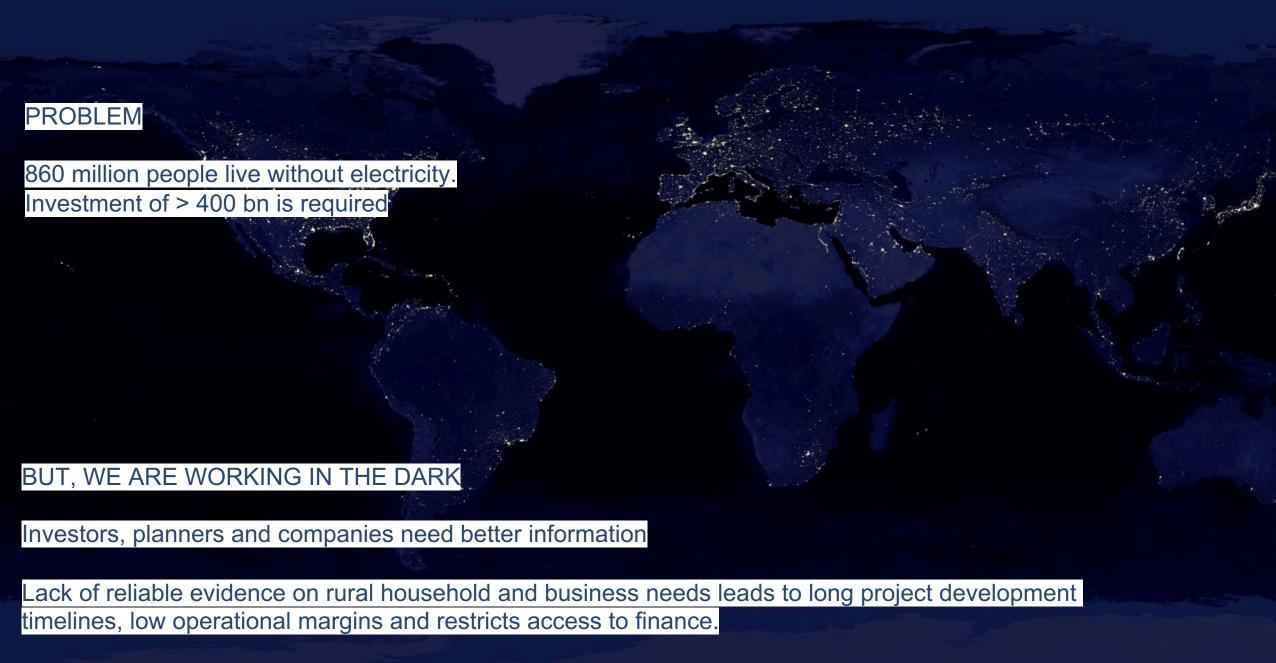


From Data to Decisions - Introducing Village Data Analytics (VIDA)

Mr. Tobias Engelmeier, Village Data Analytics (VIDA)







Meanwhile... we are experiencing a data & digital revolution

- Data sets (incl. satellite imagery)
- Processing power
- Usage of mobile phones and internet
- Al techniques and algorithms
- Talent pool (global)



Figure 35 - Global internet traffic²⁰⁷

1987 ······ 2TB

··· 19<mark>97</mark> 60РВ 2007

2017

1,128



A recent TFE Energy report looks at the digital transition in energy access in detail

- Digital planning tools
- Digital platforms
- Digital operations
- Digital payments



Energy Access, Data and Digital Solutions





Download report here:

→ https://www.tfe.energy/project/Data4EnergyAccess/

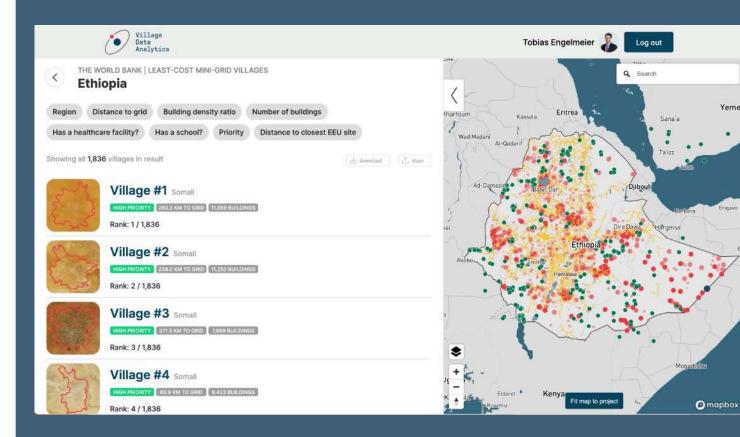


From data to village-level decisions

VIDA is and Al-powered software that can analyze any village in the world and predict best electrification options.

- 1. Identify villages
- 2. Extract village level information (e.g. settlement structure, grid access, energy resource, road infrastructure, agriculture, etc.)
- 3. Use algorithms to predict energy demand and investment viability
- 4. Results are displayed for decision-making in VIDA's interactive user interface, tailored to each user

VIDA interactive user interface: country view



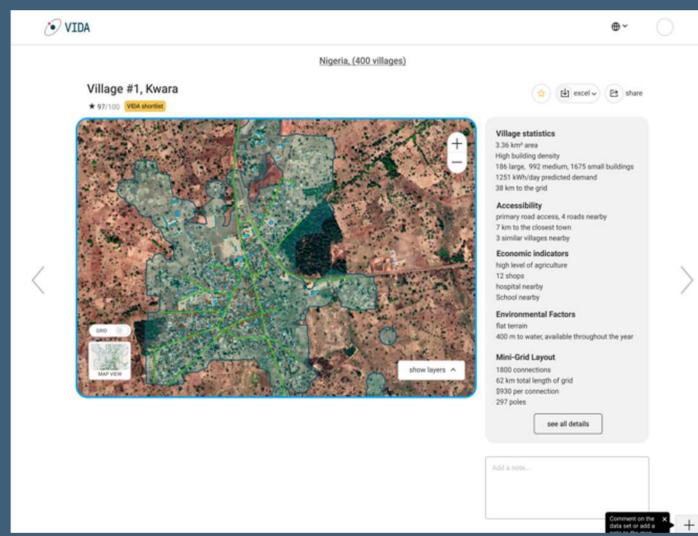


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VIDA interactive user interface: village view





Many data sources, no more excel sheets, all your information in one place

VIDA ingests data from several sources such as satellite imagery, on-ground data and third-party data (for example E-GUIDE data)

VIDA's algorithm analyzes these data-sets to conduct a detailed assessment to identify demand, distribution cost, predicted revenue and other viability factors.

Use-cases include analyses of a set of villages for our mini-grid customers like Africa GreenTec, BBOXX, PowerGen, PowerCorner, Nuru, etc. Or country-level analyses thousands of villages in e.g. Ethiopia, Kenya, Sierra Leone, Nigeria, or Myanmar for governments and donors.

Automated distribution layout generated by VIDA's algorithm

















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For more information, including case studies on how VIDA is used, see:

www.villagedata.io