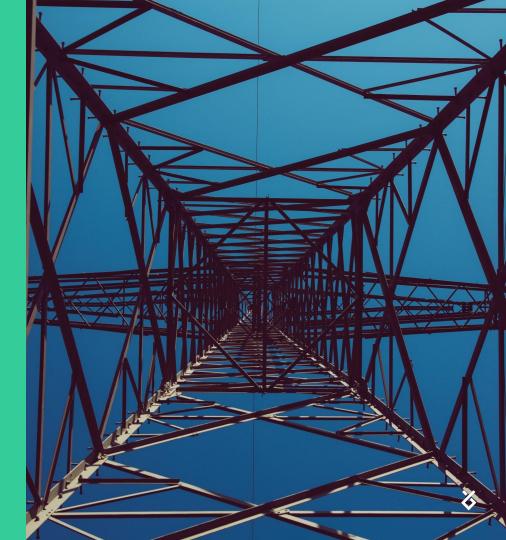
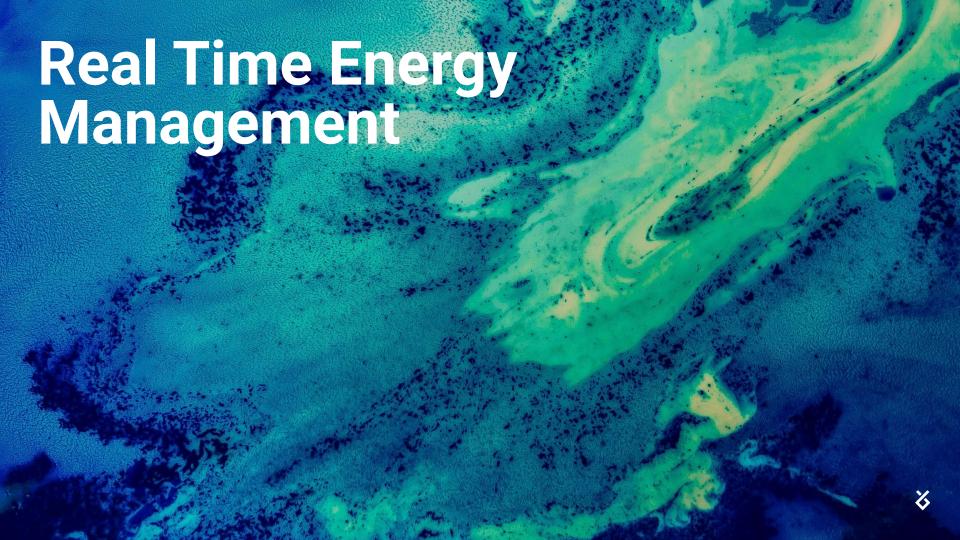


We are a data Intelligence company for Electricity Consumption Management







Evite desperdícios entendendo melhor como você usa energia elétrica.



Energy Efficiency



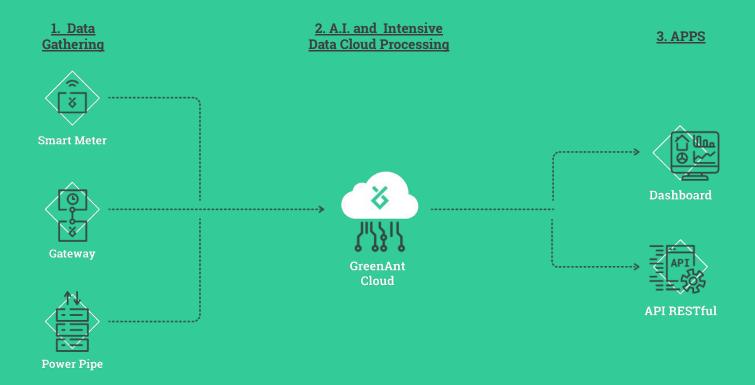
Management and Control



Continuous improvement and Better contracts

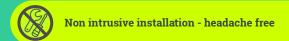


How GreenAnt Works



Smart Meter

Simple and straightforward direct metering with WiFi connectivity - True IoT for electricity submetering.





Gateway

Connect to existing meters with the existing protocols to retrofit your old metering infrastructure



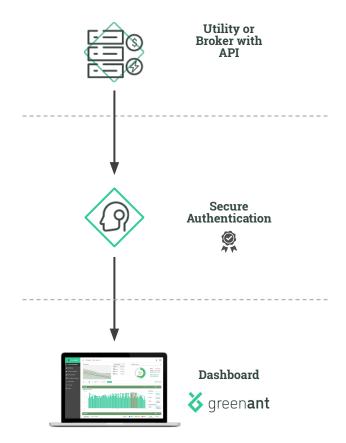




Power Pipe

Connect to existing energy consumption APIs to collect data directly from your utility or energy broker without any local hardware

Flexible platform to connect to APIs



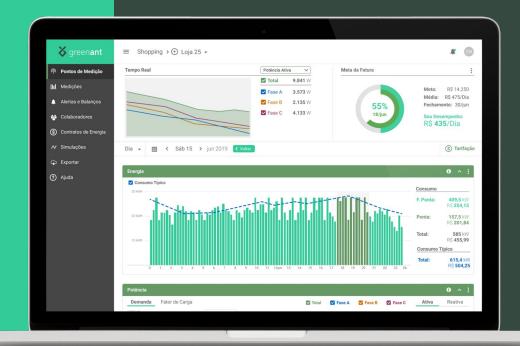


Dashboard

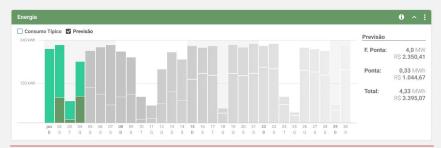
A complete Business Intelligence dashboard to find insightful information about your consumption and deep dive into your data



Also whitelabel for energy providers and brokers



Machine Learning: Load Forecast and Profiling



Utilizamos o histórico, sazonalidade e tendência do consumo para realizar cálculos automáticos de previsão



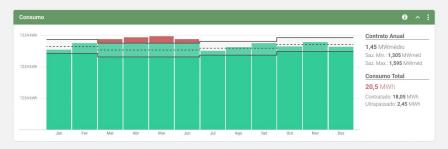
Os mesmos cálculos são utilizados para exibir uma curva de consumo típico, utilizada na detecção de anomalias



Machine Learning

With advanced machine learning models we can detect consumption anomalies and predict expenses

Powerful Analytics



Visualização de limites contratuais de sazonalidade e flexibilidade



Data Analysis

Comparative analysis and contract simulation for tariff review

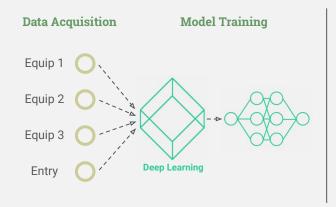
Resultado da liquidação diária de acordo com preços do PLD

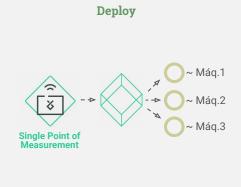
Non Intrusive Load Monitoring (NILM)



NILM

- Know the end-use of your energy
- Deep Learning models specially tuned for dealing energy measurement time series and equipment detection/classification
- A complete new way to understand consumption behavior







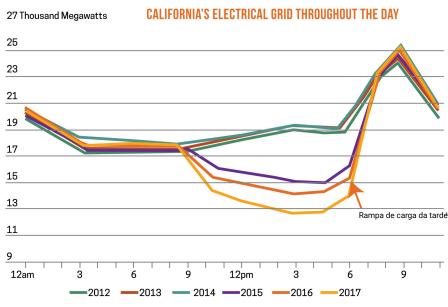






Problems with Increased Renewable Generation

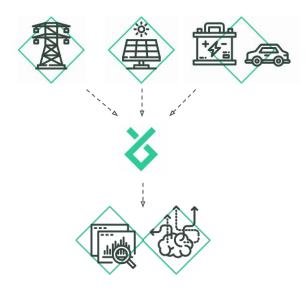




Source: CAISO - California's Grid Operator

Virtual Power Plants:

DERMs integration to Dispatch Negawatts of Energy to Demand Markets - A multi Billion market of fast renewable balancing

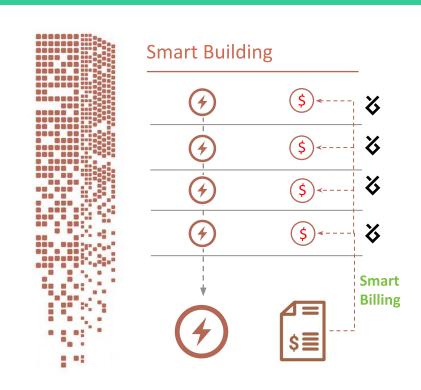




First Brazilian Flexibility Aggregator: Tyr Energia

Creating a new energy market in Brazil

- By aggregating all units of a building the new unit has enough demand to access better contracts
- With a joint venture with an energy broker
 Tyr can provide a zero investment 20%
 discount on energy to all units
- Business model based on energy free market spread opportunities
- Generate massive demand flexibility to future dispatch for power markets



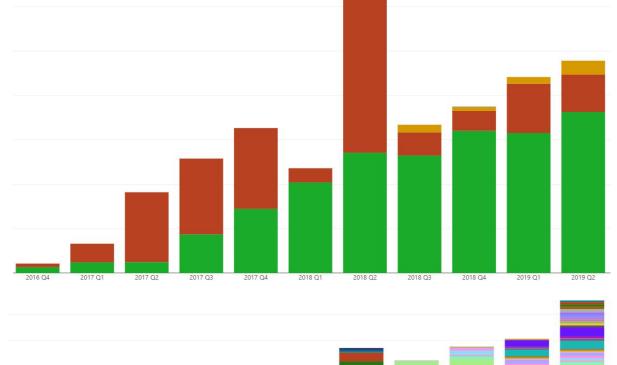
GreenAnt in self Numbers

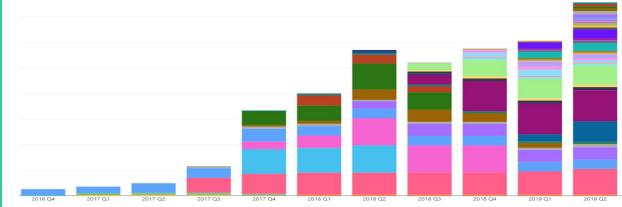
```
self.logger
       self file
       self.fingerprints
classmethod
def from_settings(cls,
    debug = settings.
    return cls(job_dir(sett))
def request_seen(self,
     fp = self.request_fin
        fp in self.fingerprints:
          return True
      self.fingerprints.add(fp)
         self.file:
          self.file.write(fp + os.l)
```

def request_fingerprint(self, request)
return request_fingerprint(request)

Consistent Growth of Revenue and Number of Customers

- Traction of current business model is proved
- Energy Management solution is the entry point to interact with customer's distributed energetic resources
- Larger the scale we can get with EMS bigger the company will be on flexibility operation





Consistent Growth of Revenue and Number of Customers

- 300 Revenue generating meters deployed
- 60 different corporate customers
- 100%+ growth of ARR in the last 2 years
- Operational revenue of 500k USD on 2019









































Fund Raising

Investment	For	Tangible Goal
USD 1.7 M	Deploy more units to increase user base to get ready for Brazilian demand response market opening	2000 meters installed and up to 10 MW of flexibility
USD 0.7 M	Development of an utility platform for demand side management	Have the utility dispatch platform ready to depoy.
USD 1.1 M	Establish team and infrastructure for scale	Customer Support and Sales, efficient elastic cloud infrastructure, affiliate program and strong engineering team
USD 3.5 M	Expand Tyr reach to reach critical scale	Reach 1000 buildings on portfolio, leveraging goal #1

Total USD 7 M

Obrigado



www.greenant.com.br

pedro@greenant.com.br





























