Data Powered Energy Efficiency, Engagement and Demand Response

February 19, 2019

Agenda

- Overview of Tendril
- The Power of a Platform
- Customer Journey
- Demand Response and EE



The Tendril Team



Manny Ramos

Business Development



Emilie Stone

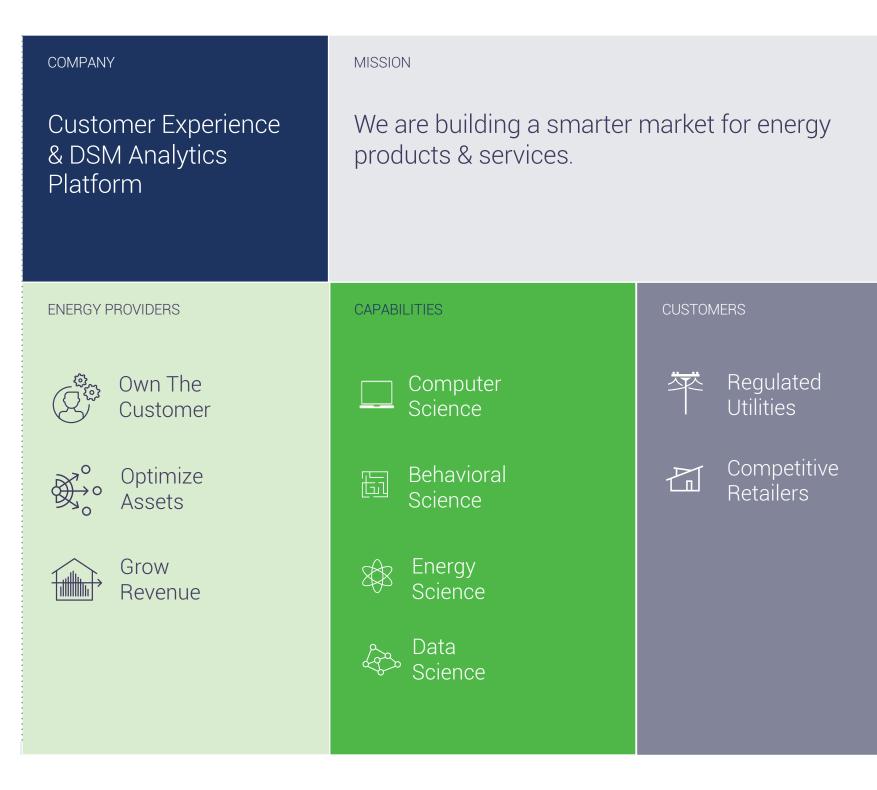
Product Management



Adam Greenwade Solutions Marketing



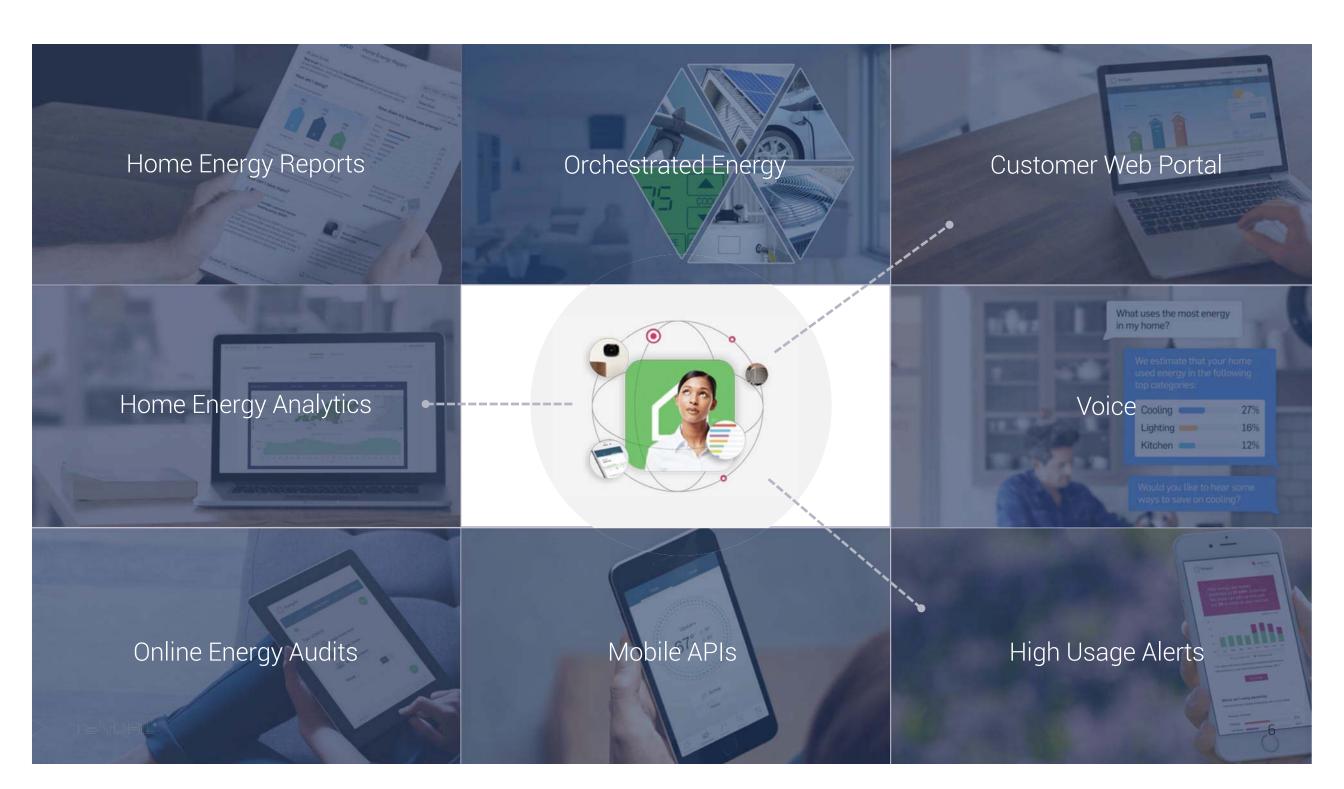
Tendril Snapshot



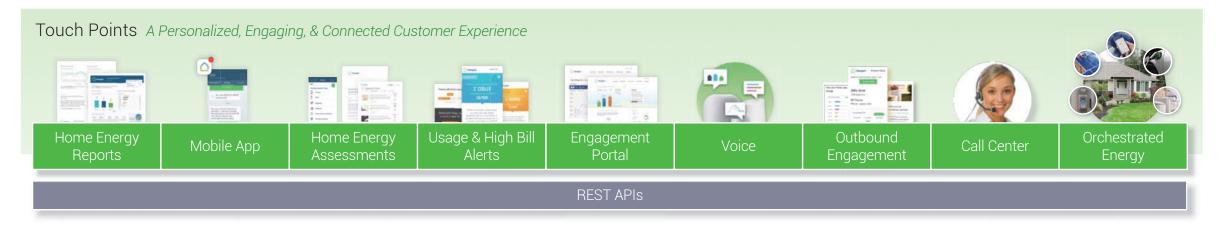
Our Clients







Tendril Platform – Open, State-of-the-Art, Scalable Cloud Platform



Energy Intelligence Proprietary Algorithms that Develop Deep Insights

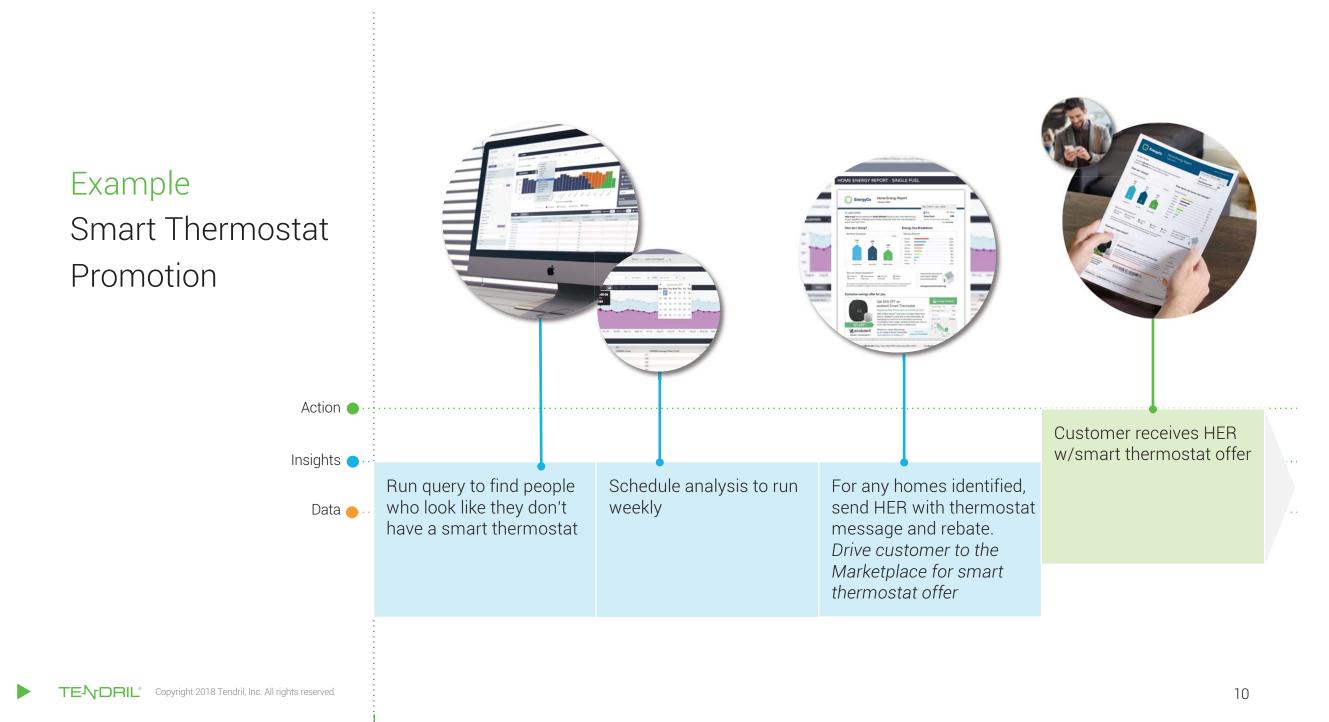
Behavioral & Building Science Target & Pers	onalize Each Interaction	Device Control Control In-Home Devices Like: Thermostats, Water Heaters & Batteries						
Propensity Modeling	Personalization	Device Orchestration	Device Health Detection					
Micro-Targeting	Consumption Normalization	Device Modeling	Comfort IQ					
Usage Prediction	AMI & AMR Usage Analytics	Thermal Modeling						
True Home Physics Models								

Premise Weather Demographic Behavioral Conversion Consumption Device Usage	Data Hub 300+ Data Attributes on Each Home & Primary Occupants for 140 Million Homes							
	Premise	Weather	Demographic	Behavioral	Conversion	Consumption	Device Usage	

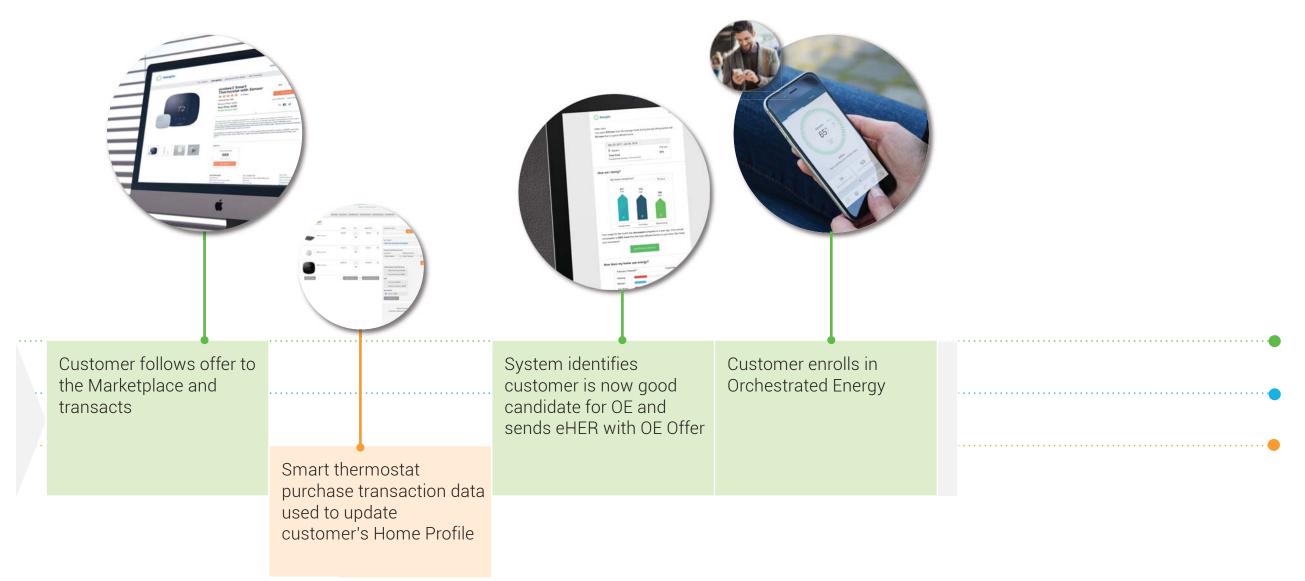


What does this all mean? Energy savings while improving customer experience and satisfaction, reducing operational costs, uplifting other programs...





Smart Thermostat Promotion



Orchestrated Energy



INTRODUCTION

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Comfort & User Experience

We put the customer experience first.

We always get the right answer.

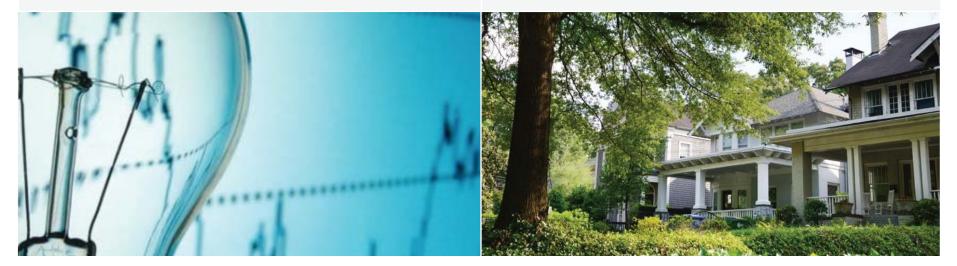
Orchestrated Energy Performance Principles



Aggregate

Day-ahead schedule and real-time dispatch.

Whole home, whole grid optimization.

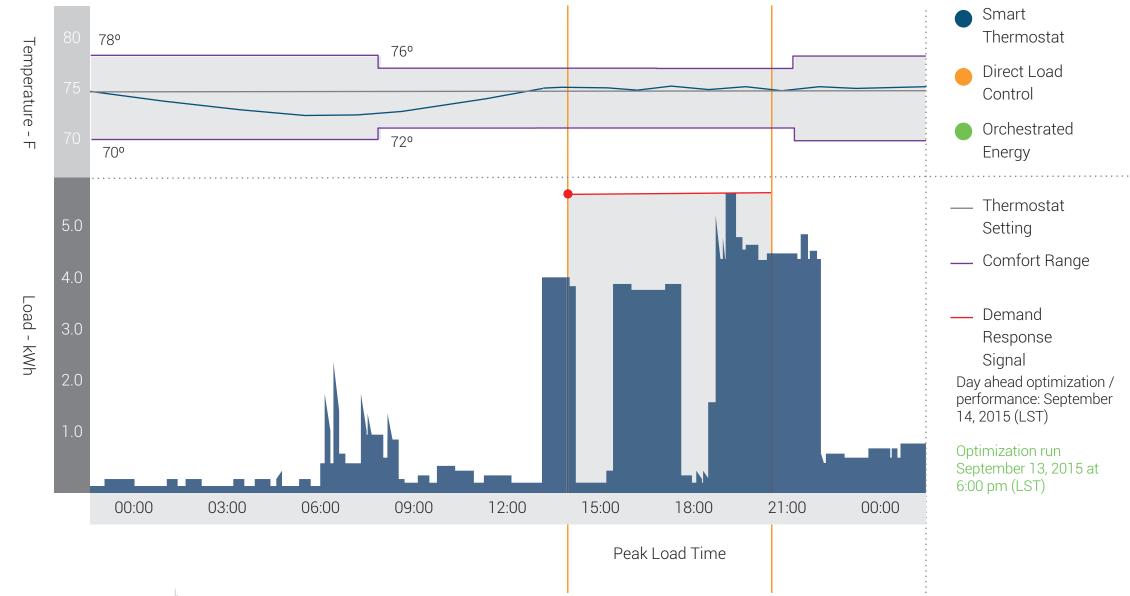


ORCHESTRATED ENERGY



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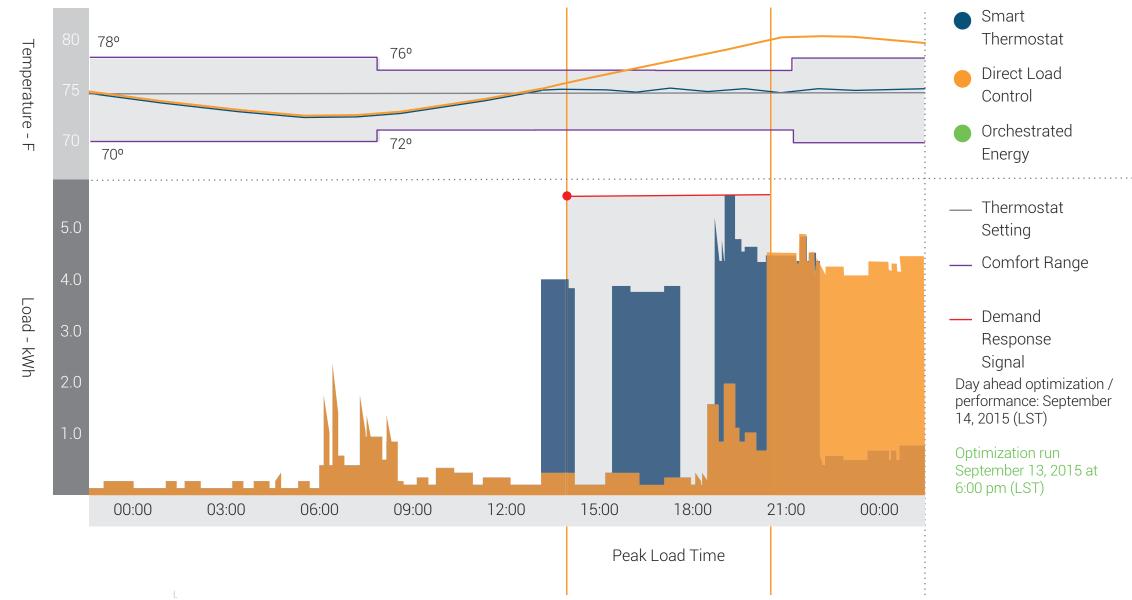


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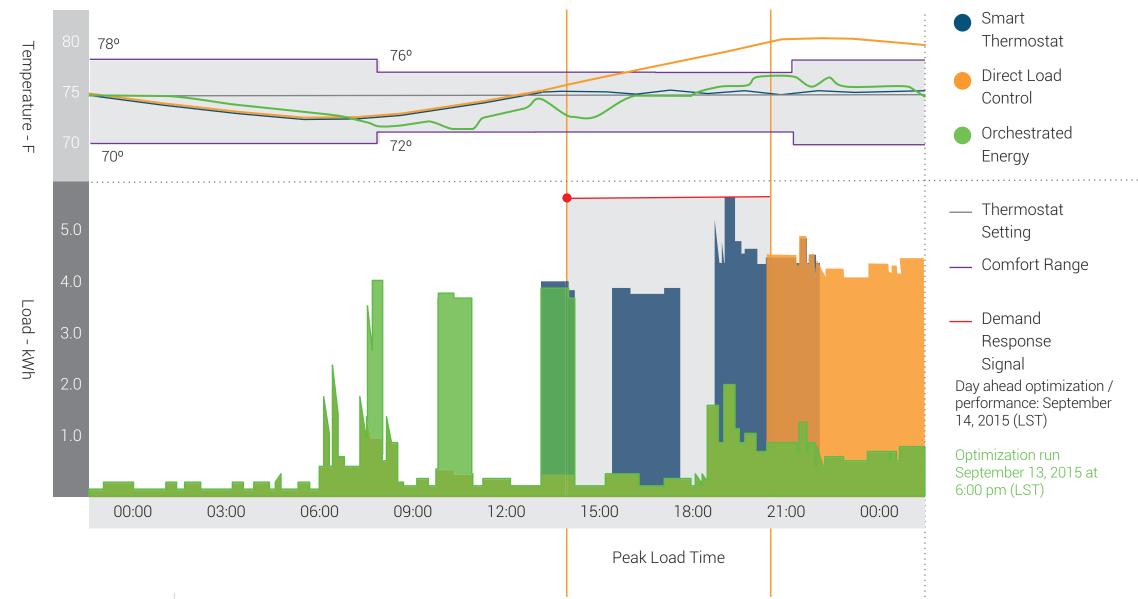
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OEM & Aggregator Programs



- User can opt-in to programs from device or thermostat app
- OEM moves customer into participation group and handles messaging in monthend report
- Utility receives aggregate load shift or load reduction
 - No tie to customer account

Orchestrated Energy



- User must authorize thermostat from third party site (requires credentials)
- OEM provides Tendril access token
 - Data: setpoints, schedules, sensors, runtime
 - Control: change setpoints,
- Tendril can attribute individual performance to utility account and provide to utilities

Data & Control

