

A nighttime photograph of a city skyline. In the center, a tall skyscraper is brightly lit with a green glow at its top. To the right, a large, multi-story brick building with many windows is visible, some of which are lit from within. The background shows other city buildings and a dark sky.

# FIRST FUEL

**ANALYTICS + BUILDING SCIENCE + SOFTWARE**





**25% CARBON REDUCTION BY 2020**



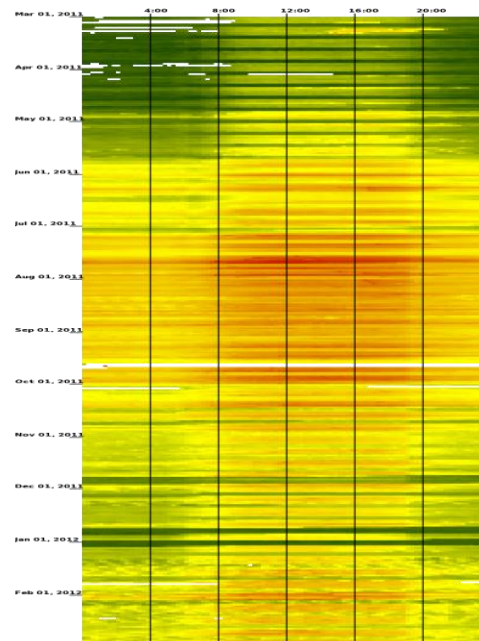


40 YEARS?...

# RELEVANT ANALOGY



Human MRI



“Building MRI”

# DEEP DATA ANALYTICS DRIVE ENERGY INTELLIGENCE

1

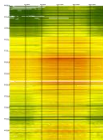
## METER + PUBLIC DATA

BUILDING/UTILITY

BUILDING ADDRESS



1 YEAR ELECTRIC METER DATA + GAS DATA



ONLINE

LOCAL WEATHER DATA



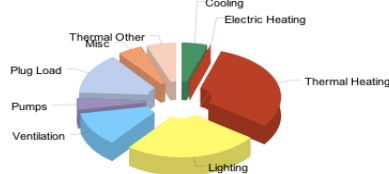
GIS MAPPING/ SEMANTIC SEARCH



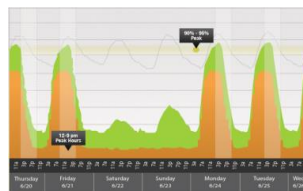
NO ONSITE VISITS OR DEVICES

2

## ADVANCED ANALYTICS



END-USE DISAGGREGATION

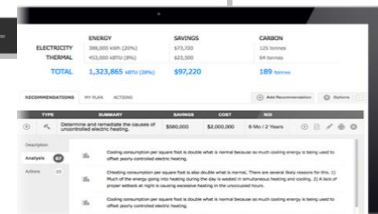
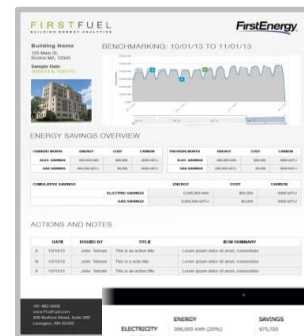


BASLINE & FORECASTING

NO BUILDING SIMULATIONS

3

## ACCURATE SAVINGS RECOMMENDATIONS



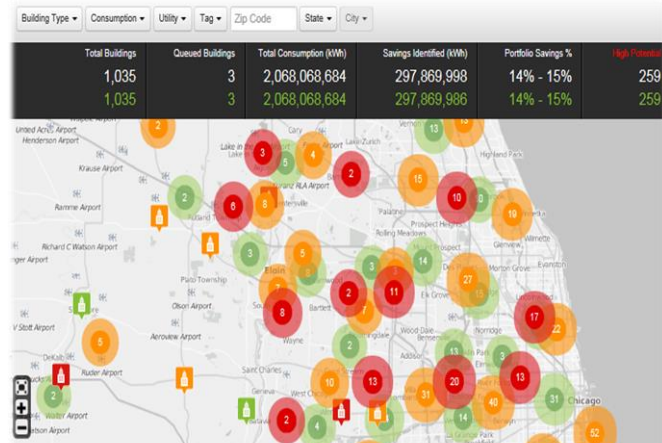
UNIQUE, ACCURATE ANALYSIS

**FIRST FUEL**  
ANALYTICS | BUILDING SCIENCE | SOFTWARE

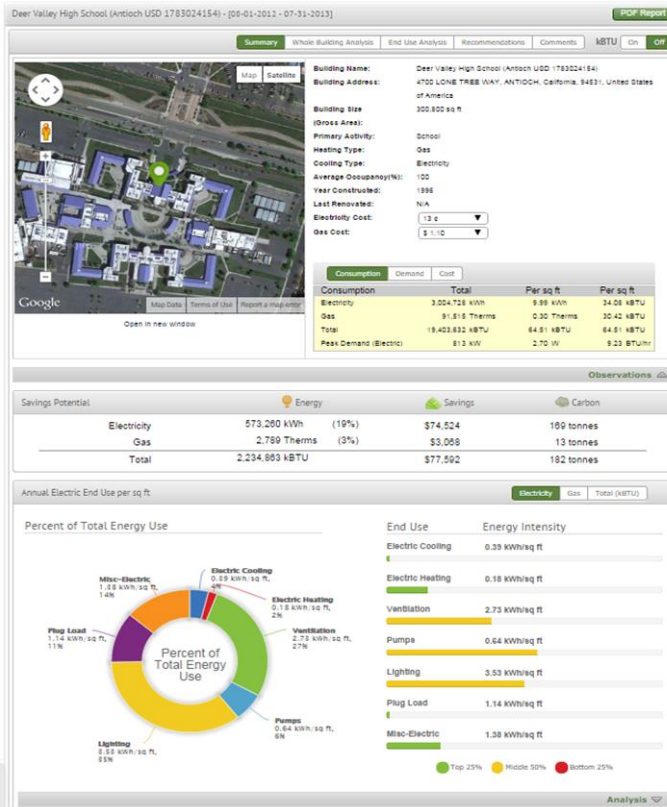


# ENABLING RAPID EFFICIENCY GAINS

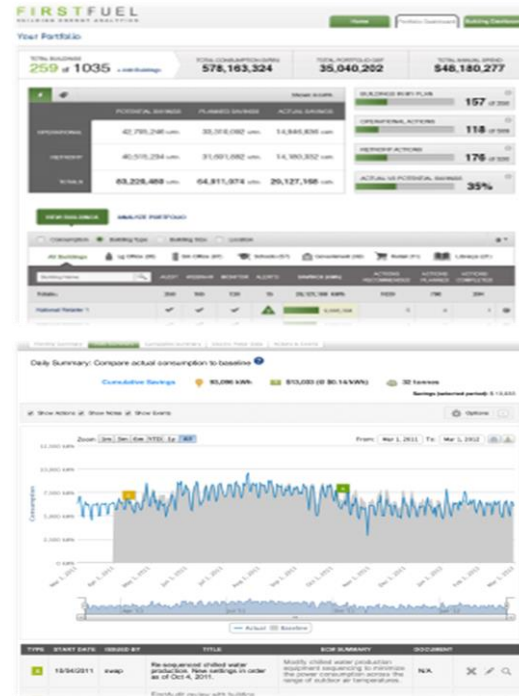
## BUILDING PROFILING & TARGETING



## REMOTE ENERGY AUDITS



## PERFORMANCE TRACKING



# CHALLENGING CONVENTIONAL WISDOM

## EVERY BUILDING HAS ITS OWN STORY TO TELL

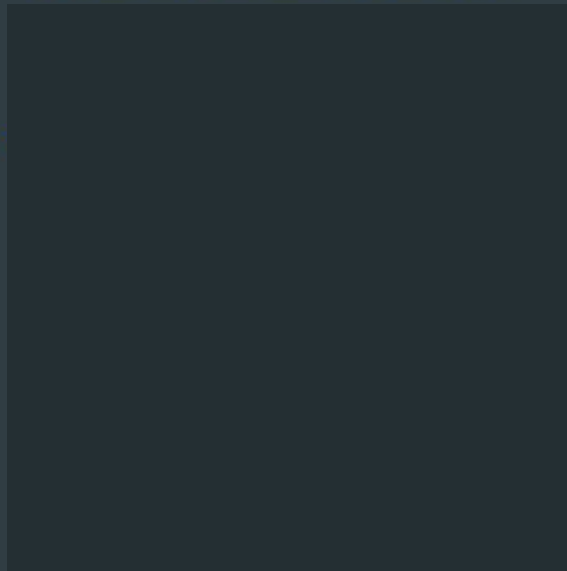
CONVENTIONAL WISDOM: SIMILAR BUILDINGS, SIMILAR ENERGY PROFILES



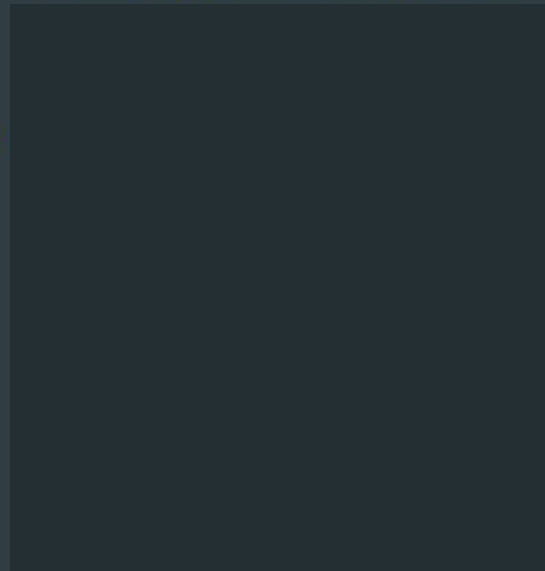
# CHALLENGING CONVENTIONAL WISDOM

ANALYTICS INSIGHT: EVEN SIMILAR BUILDINGS REQUIRE VERY DIFFERENT ENERGY APPROACHES

BUILDING 1: REMOTE AUDIT



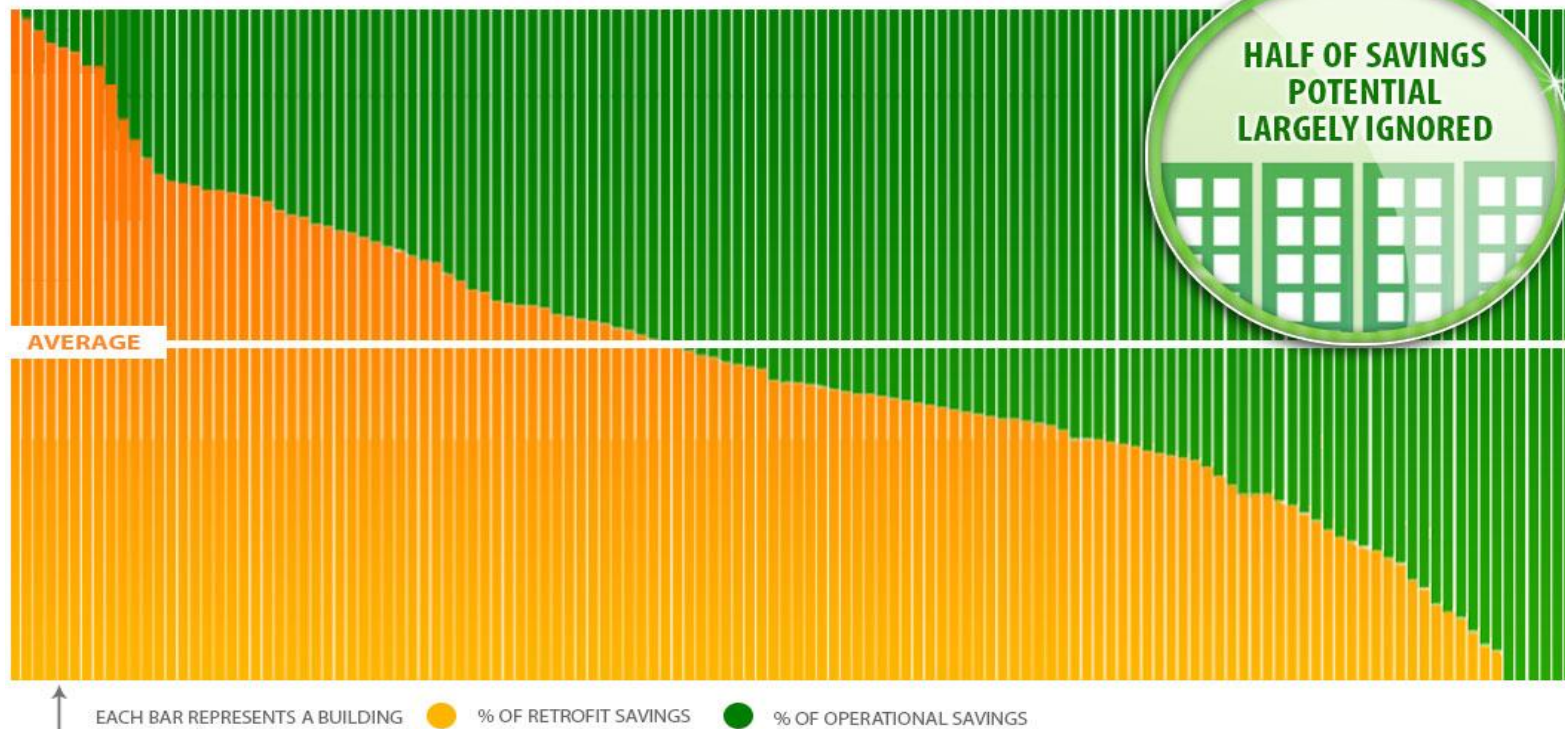
BUILDING 2: REMOTE AUDIT





# UNCOVERING NEW OPPORTUNITIES

RETROFIT VS. OPERATIONAL SAVINGS POTENTIAL SPLIT



**AND ENABLING MASSIVE SCALE**

**Over 2 billion square feet analyzed**

**6 Billion kWh savings identified**

**Enough to power homes in Zurich for  
2 years**



FIRST FUEL

ANALYTICS + BUILDING SCIENCE + SOFTWARE