Energy Management Systems

Presentation For

[Company Name Here]

eSightenergy

Your End-to-End Energy Management Partner

Our Experience

Facilities Management

VEOLIA
Dalkia
Balfour Beatty
mitie
COFELY GDF SUEZ
FSI

Public Sector

Texas Tech University Operations
University of Liverpool
Auburn University
Queen's University Belfast
Weill Cornell Medicine
The University of Winchester

Property

MGM Grand
Liberty Property Trust
AtSite
OneHydePark London
RICOH ARENA
Bünting Unternehmensgruppe

Pharmaceutical

Pfizer
Lilly
AstraZeneca
gsk GlaxoSmithKline
Roche
Novartis

Brewing

Carlsberg Group
Heineken
MillerCoors
Greene King Bury St Edmunds
Everards
Muntons Passionate about malt

Aerospace & Automotive

Airbus
Bombardier
Montupet
Rolls-Royce
Volvo
Marshall

Aerospace and Automotive Case Study

- Airbus SE
- A world leader in aerospace manufacturing
- €63.7 billion revenue in 2018
- Selected as product of choice for all manufacturing sites globally

AIRBUS

ROLLS ROYCE

Miller Coors Case Study

- Miller-Coors has improved its energy usage procedures and stewardship at all 14 of its brewing sites across the United States, Canada, Central Europe and United Kingdom
- 800 employees brew up to 10 million barrels of beer a year at Milwaukee site
- Average payback of 4 months
- 3 continents, 14 sites, 5,000 meters
- 193% ROI

Texas Tech Case Study

TEXAS TECH UNIVERSITY

- Effecting a transition from reactive maintenance to persistent commissioning
- On the day the eSight Energy EMS was powered up in July 2015, it identified a $220,000 yearly savings opportunity
- *Biology FY17* – pneumatic line disconnected from chilled water valve ($313,628)
- Overall savings at $2 million to date
- Integrated meters from 49 buildings with plans to expand to 200 buildings over the next several years

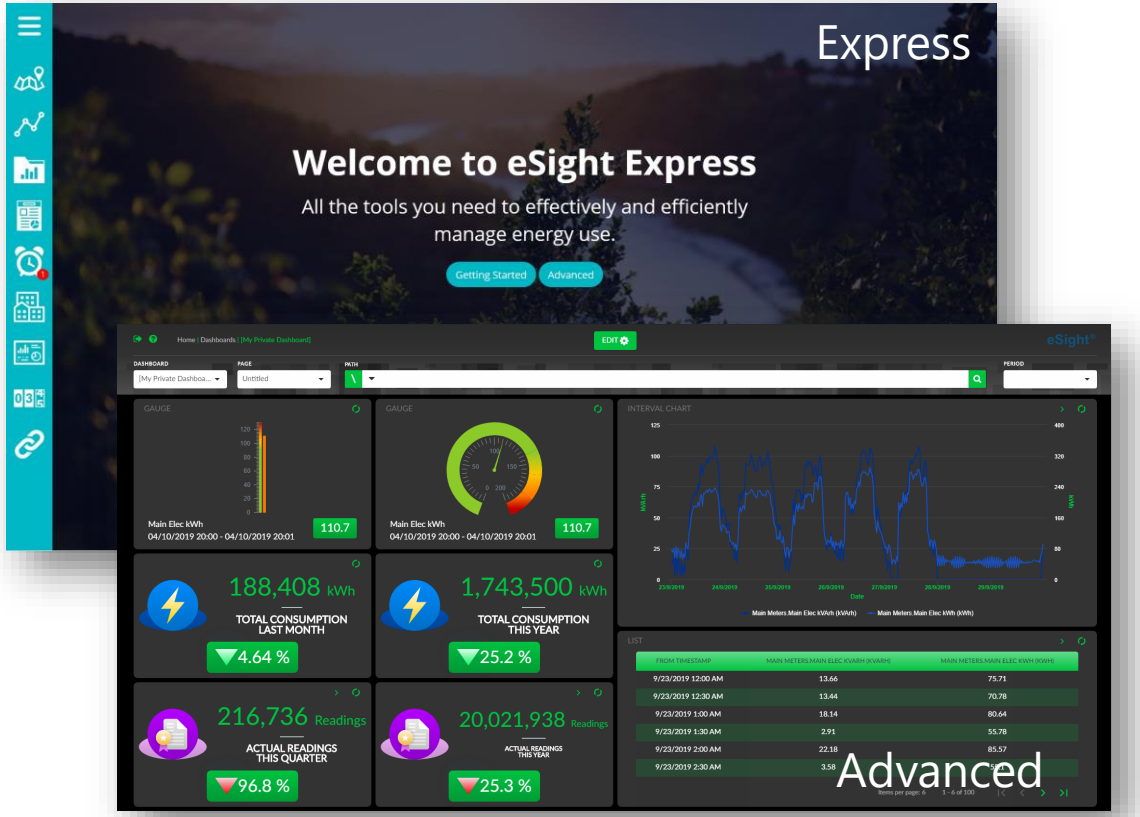
The Energy Management Platform

eSightenergy

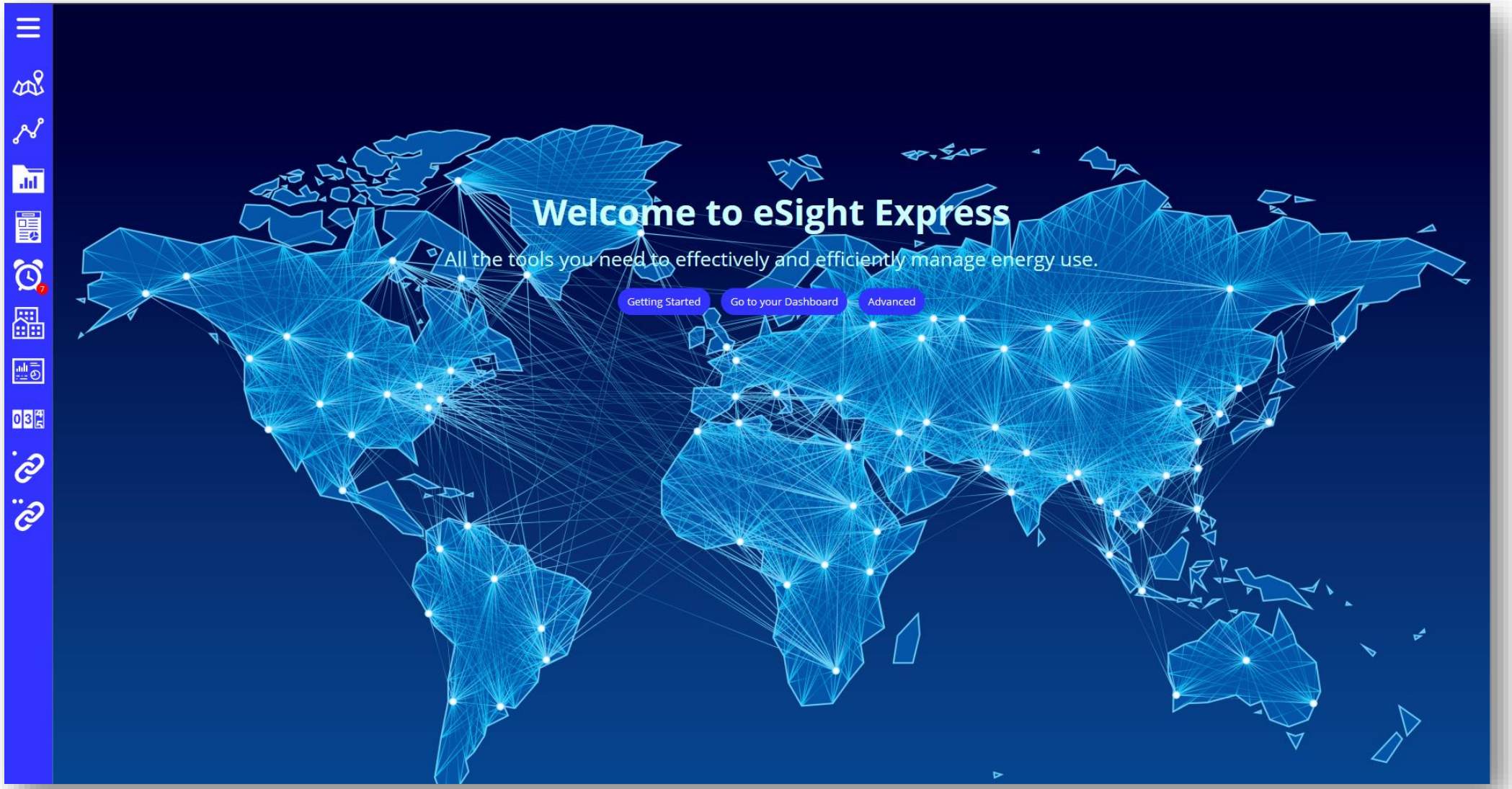
The Comprehensive Energy Management Suite

Express Dashboard

go green with
eSightENVI
The stunning interactive energy dashboard



Express Dashboard – Simple User-Friendly Interface



Creating a Custom Experience – Select the Modules You Want

9 Modules

- Energy Analysis
- Alarms
- Automated Reporting
- Calculated Meters
- Utility Contracts – TOU
- Data Import
- Bill Verification
- Project Tracking
- Tenant Billing

Add-Ons

- Dashboards
- Excel Reporting
- Weather Service
- Map Navigation

Energy Analysis

Energy Analysis Module

1. Energy Analysis
2. Rollup Reporting
3. Single Meter Analysis
4. Trend Line Analysis
5. Performance Analysis
6. Electricity Analysis
7. Baseload Analysis
8. KPI Ranking
9. Energy Temperature (ET) Analysis
10. Batch Processing
11. Data Export
12. Multi-Variable Linear Regression (MVLR) Models

Energy Analysis

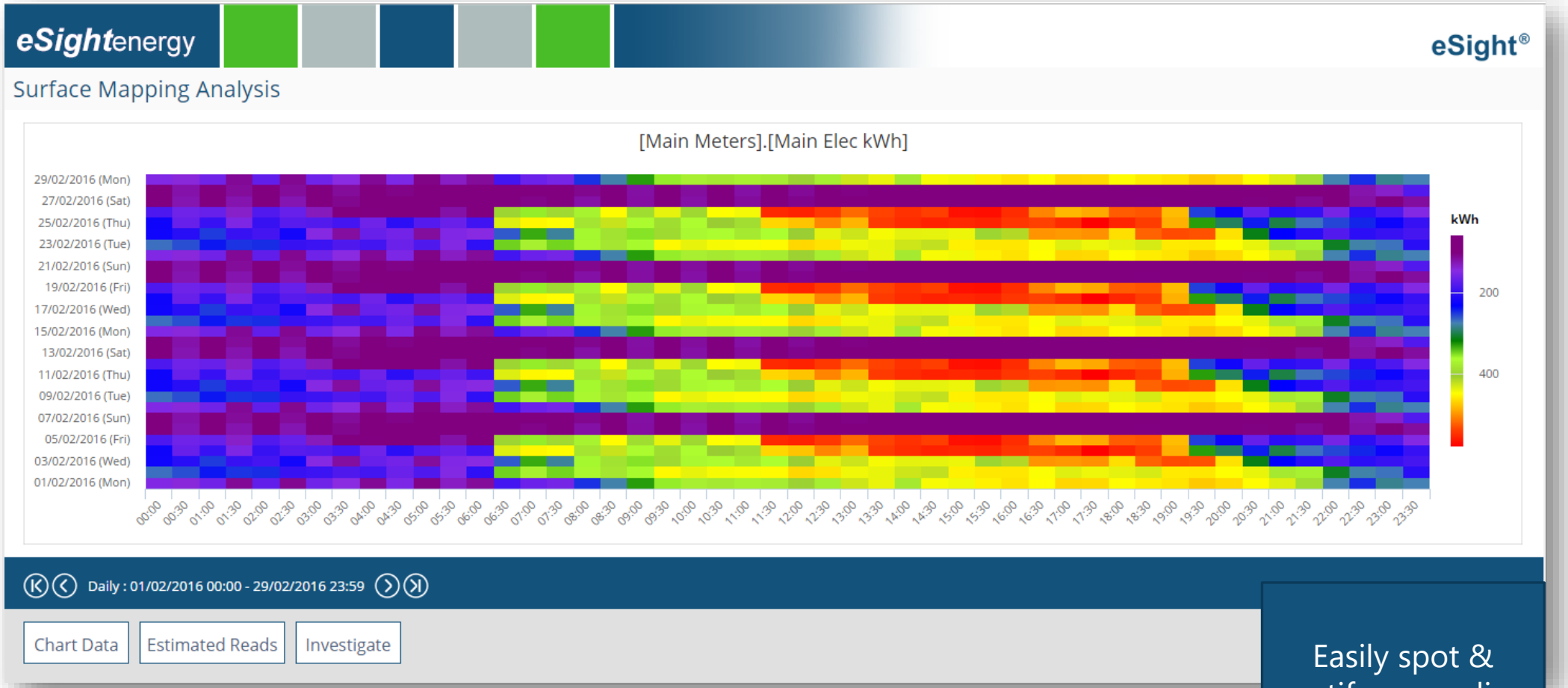
Provides a wide range of analysis techniques for all data types

Rollup Reporting

Uses aggregated data to provide a fast way of showing your consumption

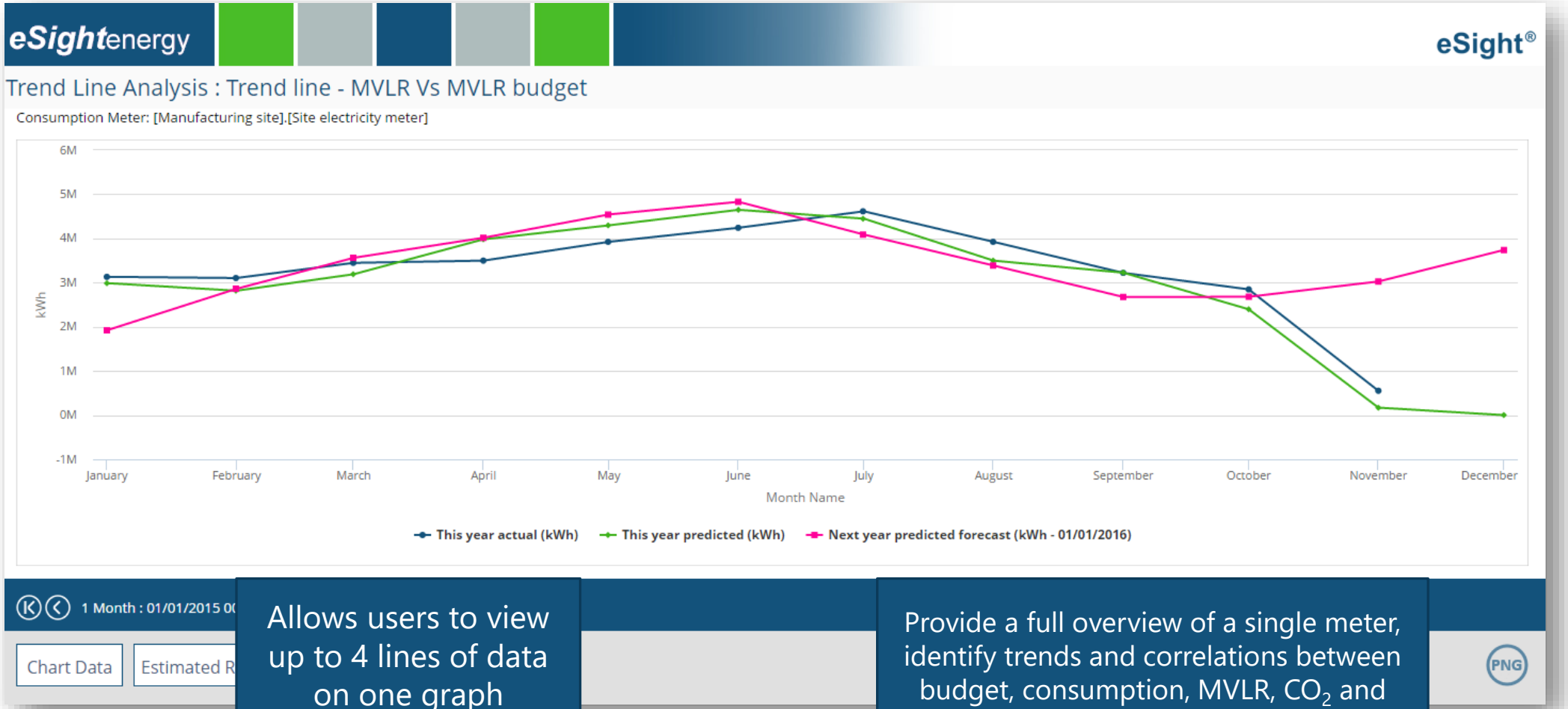
Comparisons can be applied to compare one period with another and a large number of ways to filter the list of included meters

Single Meter Analysis



Easily spot & rectify anomalies

Trend Line Analysis



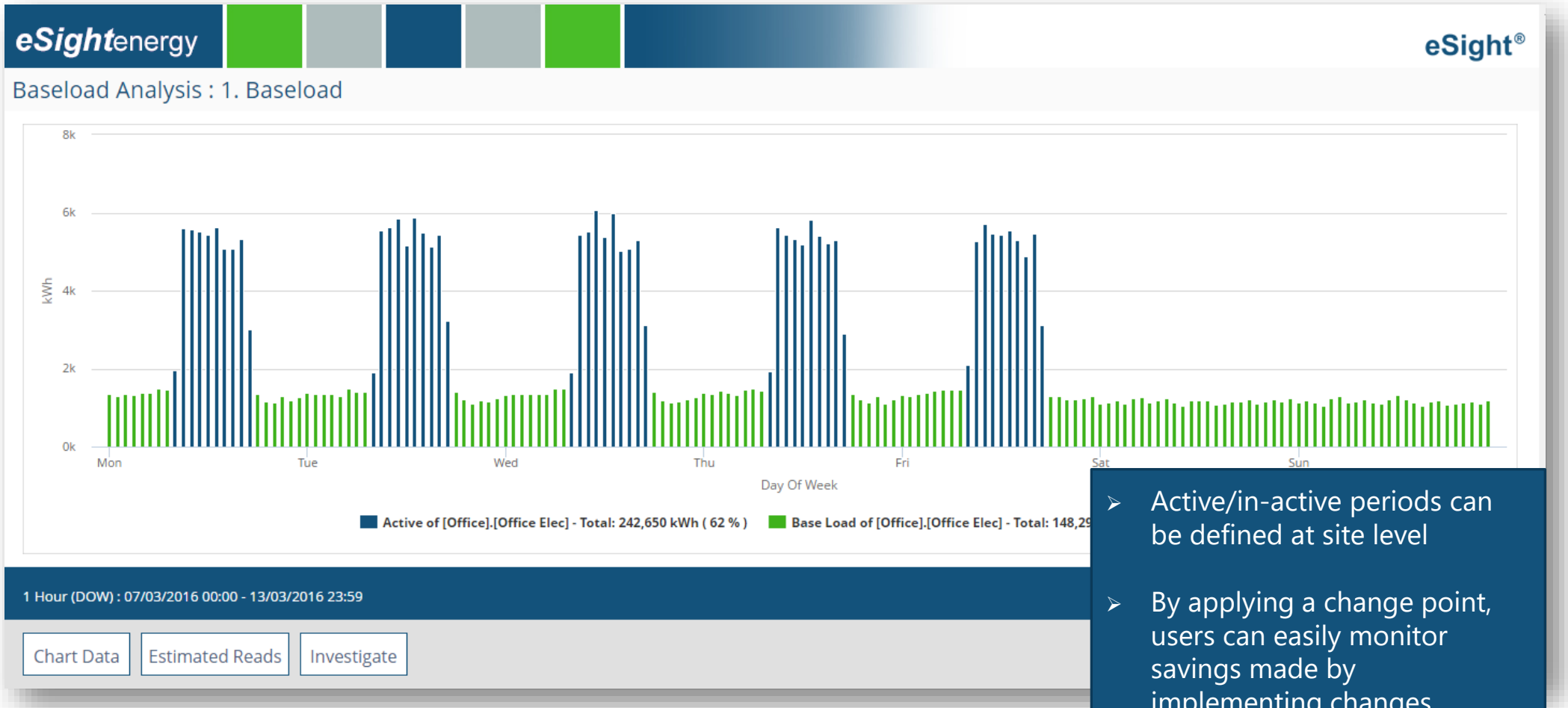
Allows users to view up to 4 lines of data on one graph

Provide a full overview of a single meter, identify trends and correlations between budget, consumption, MVLR, CO_2 and CO_2e data

Electricity Analysis

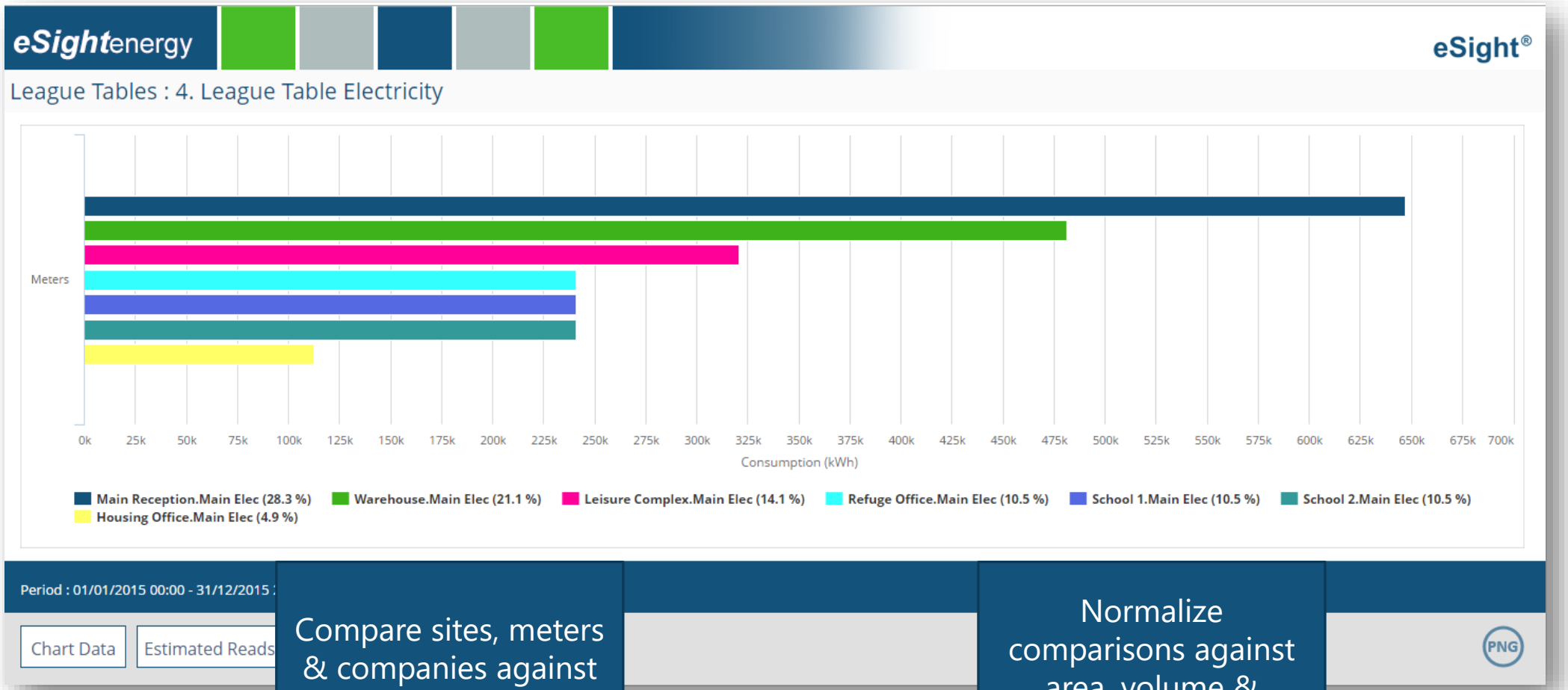
Provides a range of techniques specific to electricity meters

Baseload Analysis



- Active/in-active periods can be defined at site level
- By applying a change point, users can easily monitor savings made by implementing changes

KPI Ranking Analysis



Compare sites, meters & companies against each other

Normalize comparisons against area, volume & targets

Batch Processing Analysis

Analyze consumption required to produce a group of product

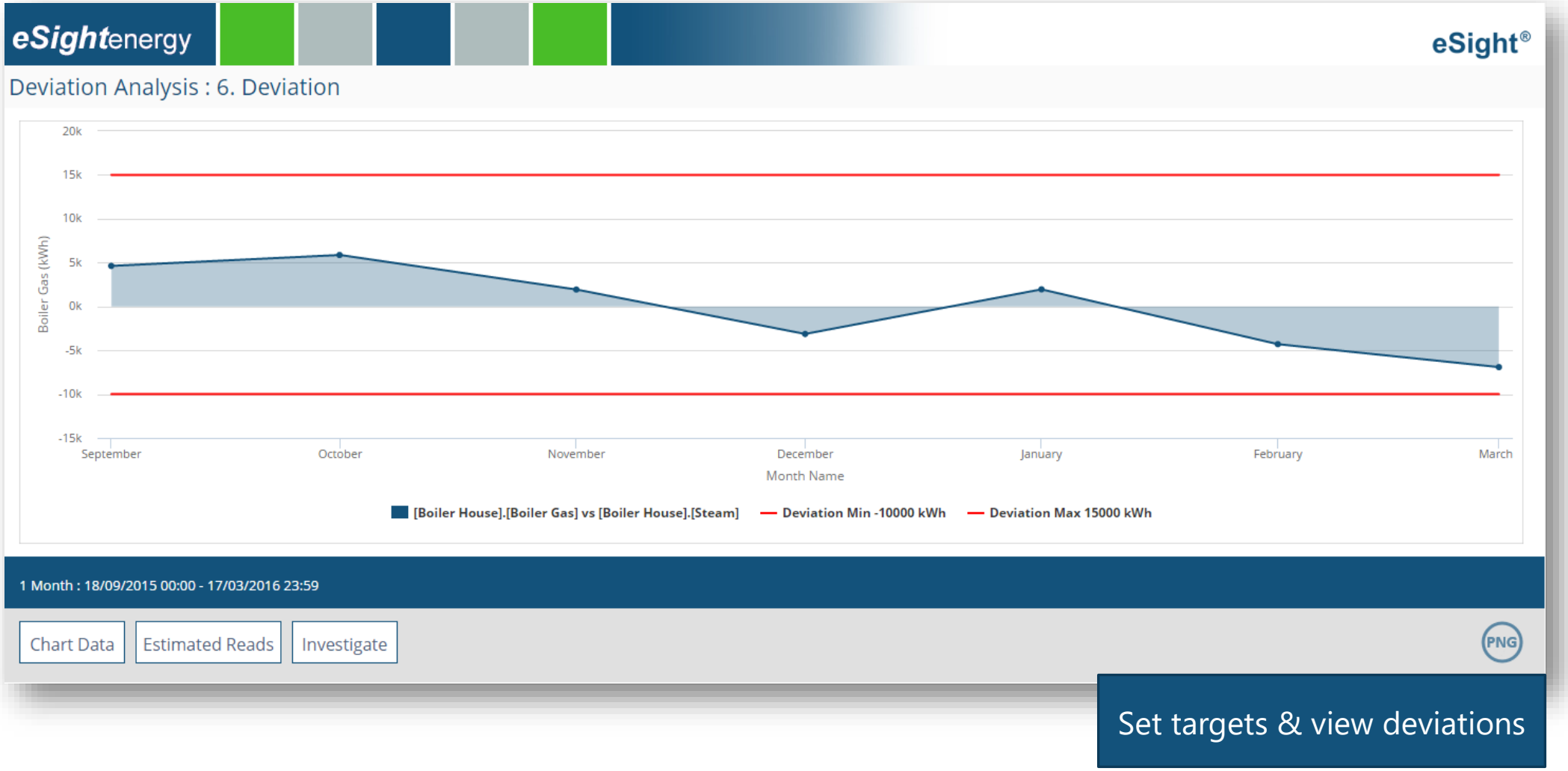
Compare which 'batch' is produced most efficiently

Normalize by production to view the energy required to make each individual product

Specific Energy Consumption (SEC)

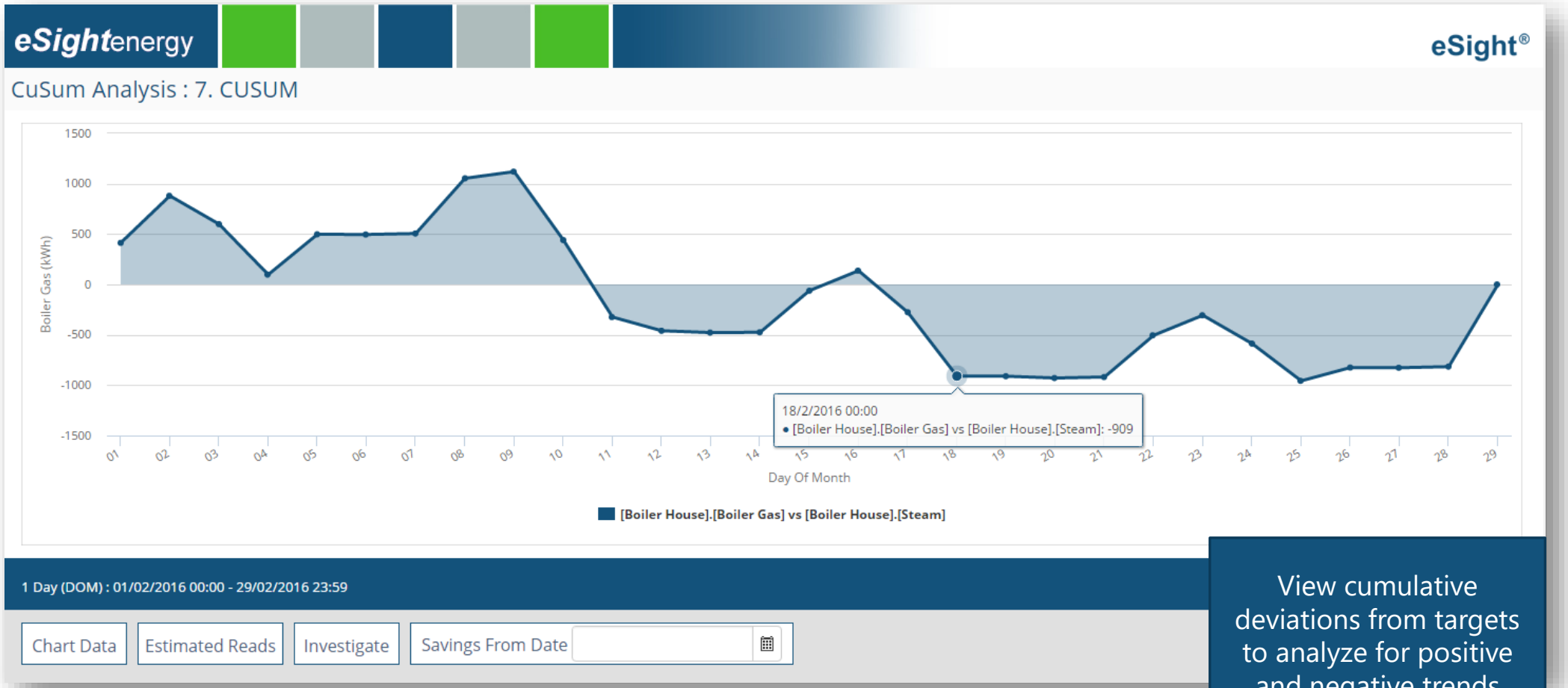
SEC analysis graphs measure consumption against a specific driving factor

Deviation Analysis



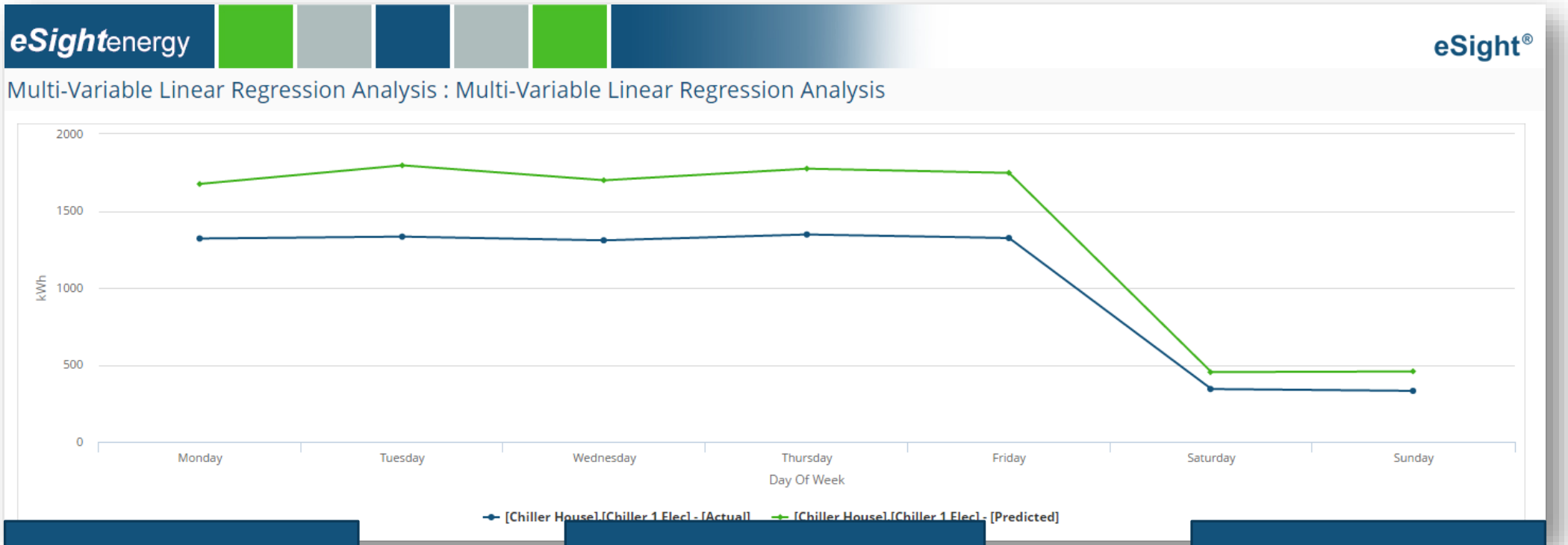
Set targets & view deviations

CUSUM Analysis



View cumulative deviations from targets to analyze for positive and negative trends

Multi-Variable Linear Regression Analysis



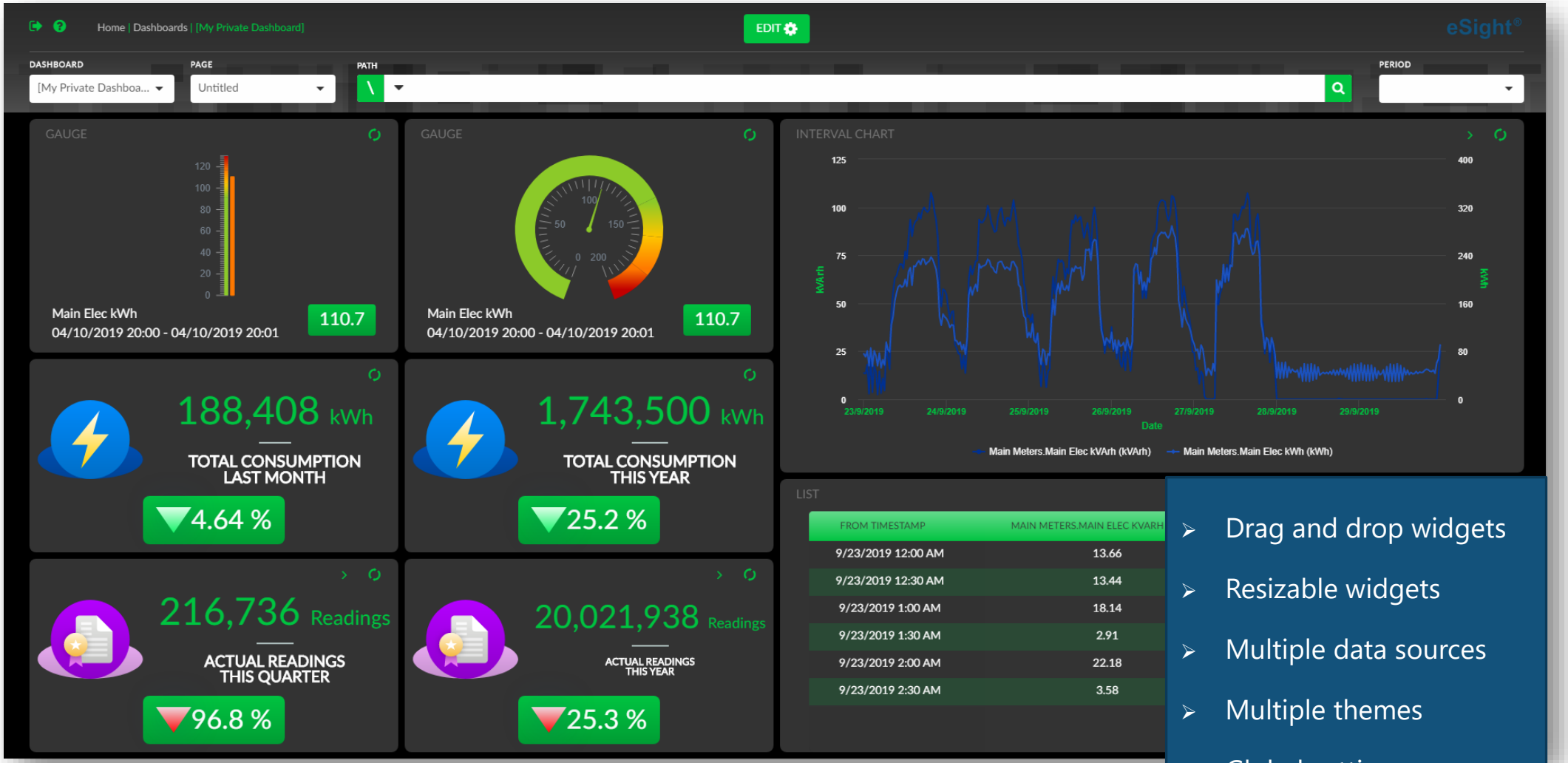
Driving factors may include: degree days, production, time, active hours etc.

View actual consumption against predicted consumption & analyze deviations

Analyze energy consumption against up to 10 driving factors concurrently to assess their relative effect on consumption

Dashboards

Facilities Management Dashboard

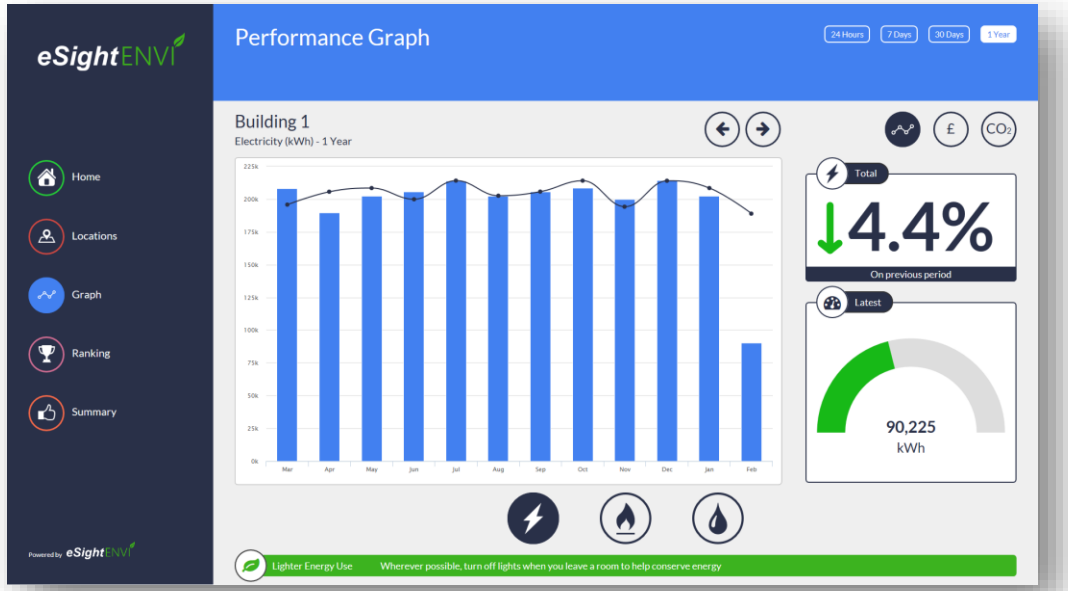


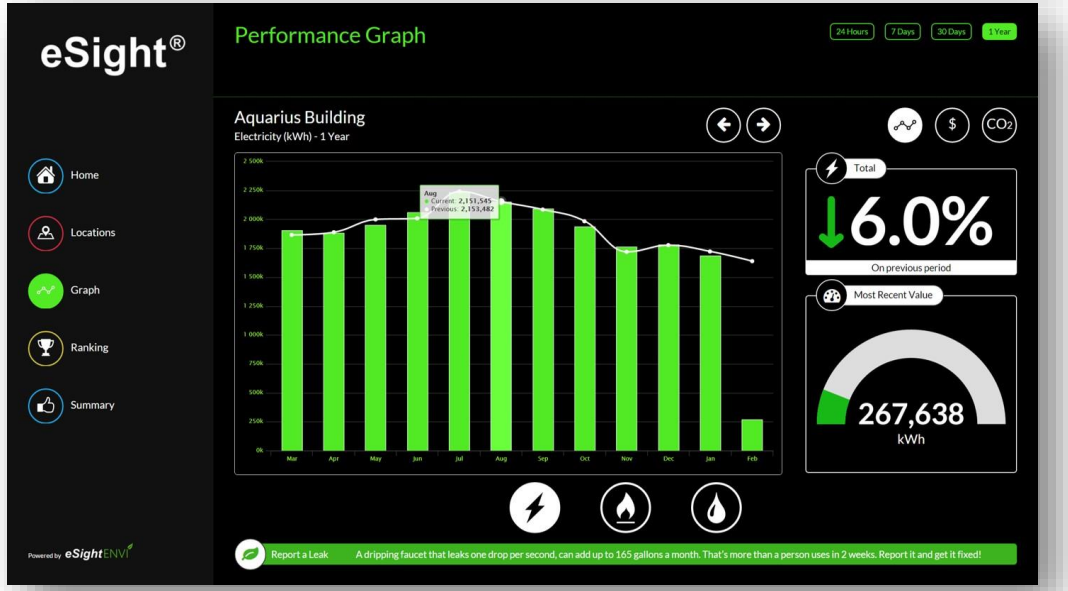
- Drag and drop widgets
- Resizable widgets
- Multiple data sources
- Multiple themes
- Global settings

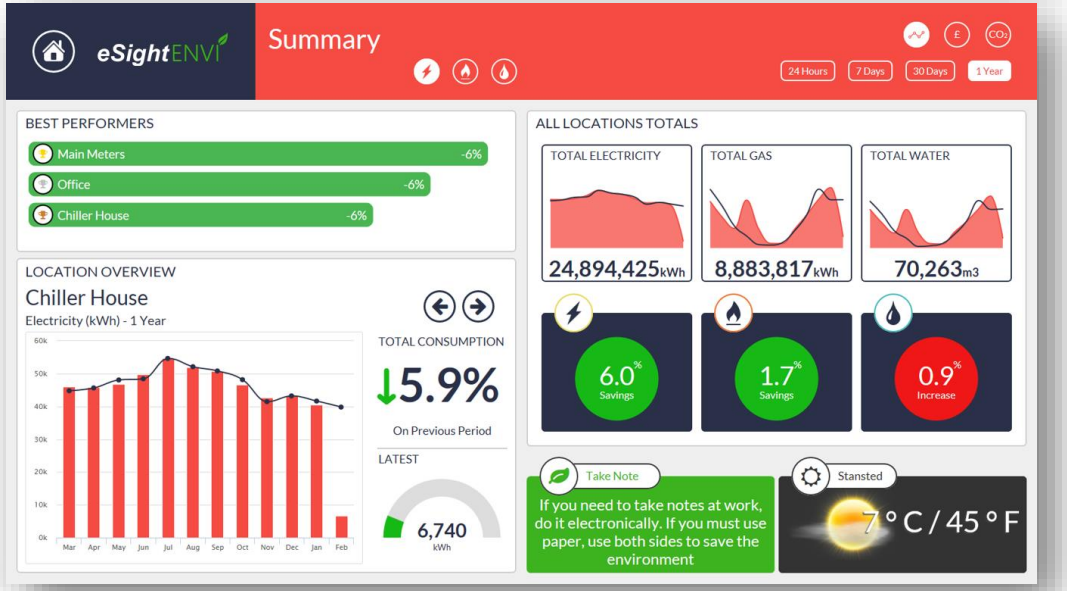
Facilities Management Dashboard

- Intuitive Dashboard configuration
- Parameter settings can be configured on the fly
- No more mass creation of dashboards
- Templates can pass through meters and periods directly from the dashboard

eSightENVI - The Next Evolution of Energy Dashboards

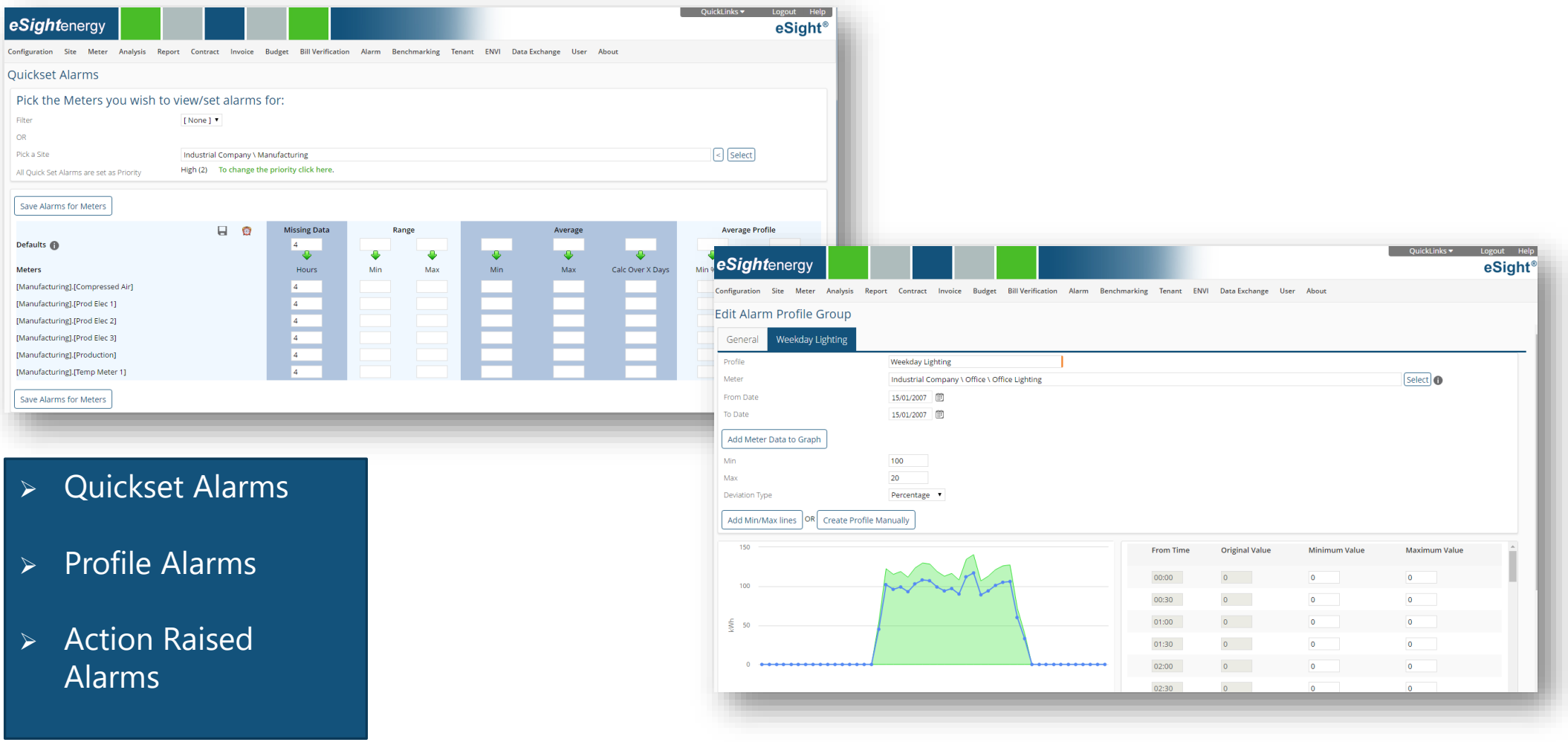






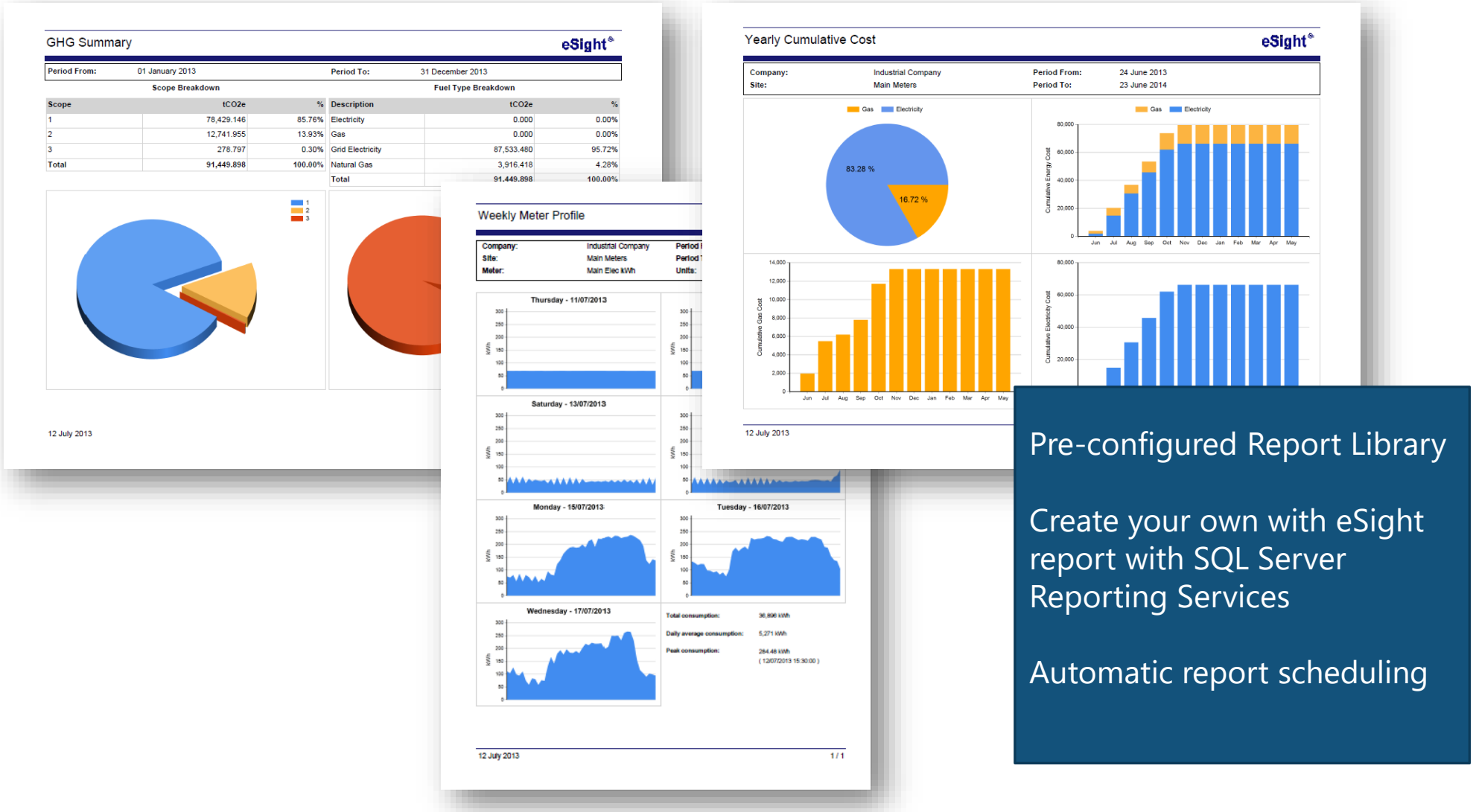
Additional Options

Alarms



- Quickset Alarms
- Profile Alarms
- Action Raised Alarms

Automatic Reporting



Pre-configured Report Library

Create your own with eSight report with SQL Server Reporting Services

Automatic report scheduling

Dynamic Reporting

Dynamic Reporting enables the combined reporting of multiple analyses onto a single report, which can be viewed interactively on-screen as well as scheduled and distributed via email.

Report Development Consultancy Service

your design

- Implemented using Microsoft's SQL Server Reporting Services (SSRS) technology
- Create bespoke Reports with striking Data Visualisation

your exact requirements

- Embed complex calculations that extend eSight
- Automate from your energy data…
  - Paginated PDFs Management Reports
  - KPI Excel spreadsheets
  - JPG/PNG Images to communicate savings
- Drive consistency + cultivate engagement

delivered to your stakeholders

- Automated delivery to any email address from within eSight

No more manually consolidating & editing complex spreadsheets

How EIS Will Help Your Business

EIS ENERGY INNOVATIVE SOLUTIONS

EIS ENERGY INNOVATIVE SOLUTIONS

eSightenergy

EIS Business Benefits

- Reduce energy consumption, costs and carbon emissions by up to 30%
- Single central database accessible from anywhere across the globe
- End-to-end performance monitoring
- Automatic identification of exceptions enabling persistent commissioning
- Cut time spent creating energy reports
- Decrease water consumption and detect leaks
- Set targets, normalize data and quantify savings
- Simply calculate ROI on investments
- Gain staff buy-in and visitor engagement in energy management