

The logo features the text 'WATT' in white, bold, uppercase letters above 'IQ' in white, bold, uppercase letters. A teal line graph with three peaks is positioned to the right of the 'IQ' text. The background is dark blue with various white and teal geometric shapes and patterns, including a grid of dots, a pie chart, and several bar charts.

# WATT IQ

Priya Vijayakumar, CEO

# Linear to Circular Economy Transition

**100B**

Tonnes of Material  
Consumed Annually

**17%**

World's Energy for  
Refrigeration

**53.6M**

Mt of Electronic  
Waste Generated

**5-10X**

Labs' Energy Use  
Vs Office Space

**48%**

Scope 3 Emissions  
is Purchased Goods  
& Services

**<3 Yrs**

Planned Asset  
Obsolescence

# Hidden Inefficiencies

**<30%**

Lab Occupancy

**20%**

Assets Idle for  
Months

**30%**

Energy Increase  
of Aging Units

**50%**

R&D Assets used  
<20% of the time

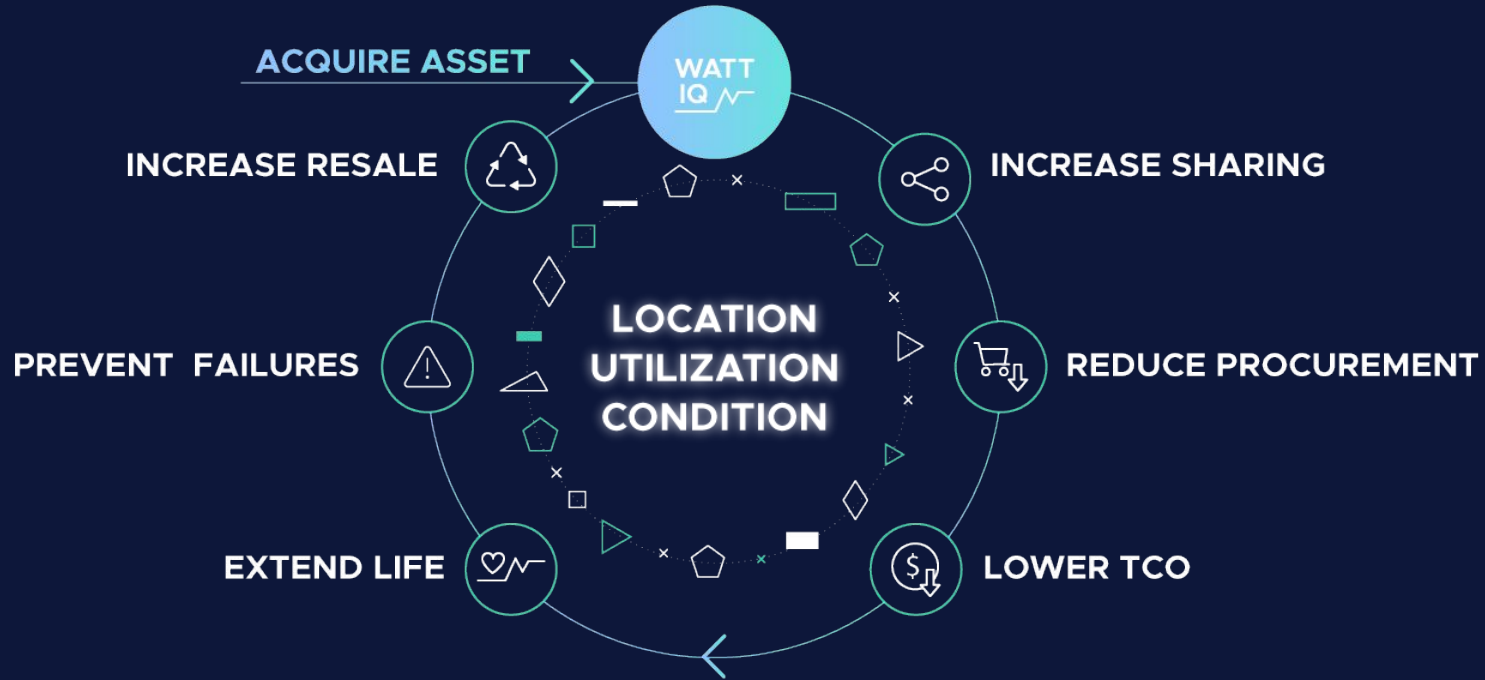
**15%**

Highest Energy  
Consumers

**30%**

Usage Based  
Maintenance

# Total Cost of Ownership Optimization : Scope 1, 2 & 3



# Simplicity & Scalability



CATEGORY  
**1 2 3**  
Works with every  
make & model



**<3**  
Minutes to install  
per asset



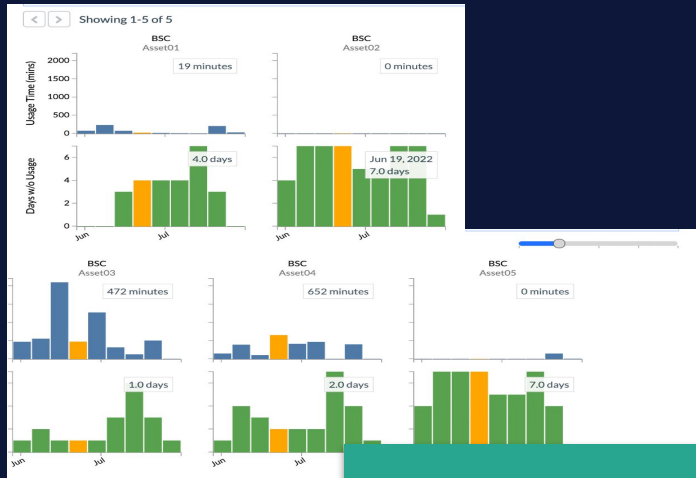
**60**  
Data in 60 seconds



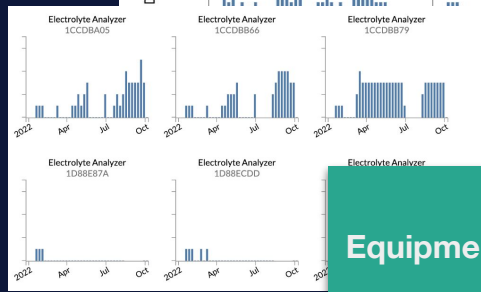
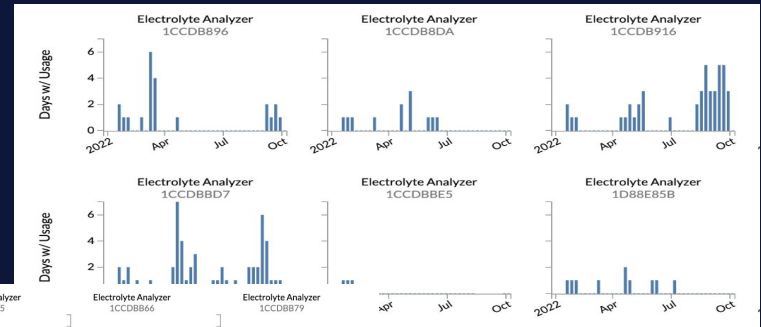
# Lab Space Optimization

- New lab space buildout avoided/existing space optimized.

- New lab space designs leveraging utilization frequency



3 out of 5 BSCs not utilized

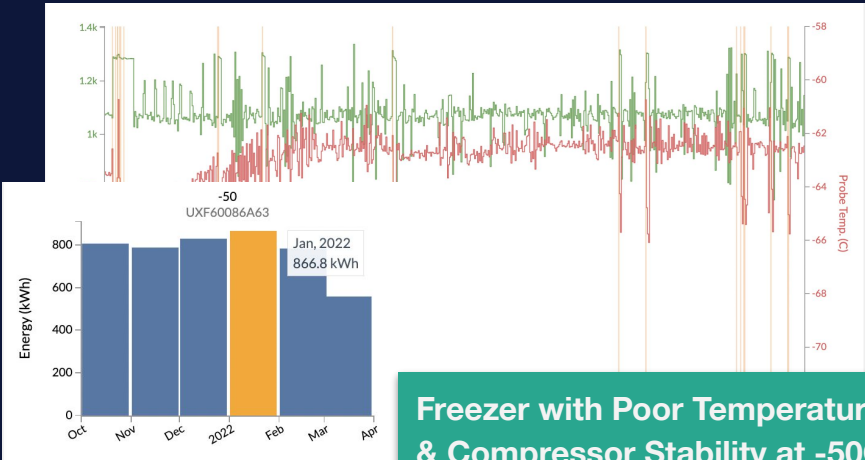


Equipment used seasonally

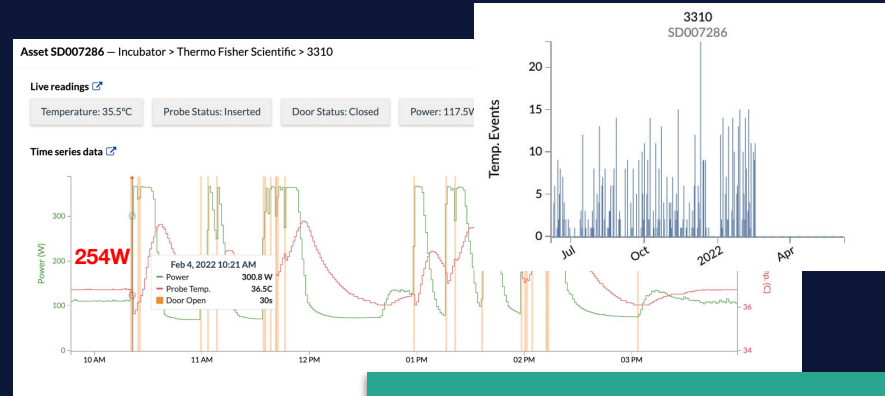
# Protecting The Science

- Failure prevention of a -50C freezer with \$1M of product.

- Insight into equipment problems previously disregarded



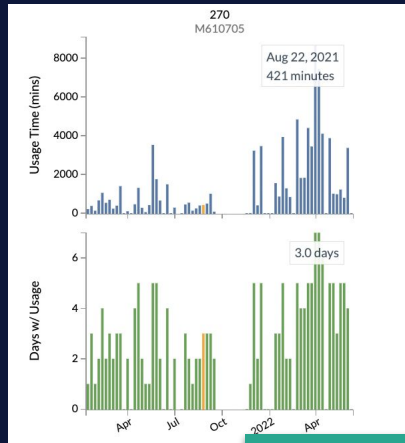
Freezer with Poor Temperature & Compressor Stability at -50C, Same Power Usage as a -80C



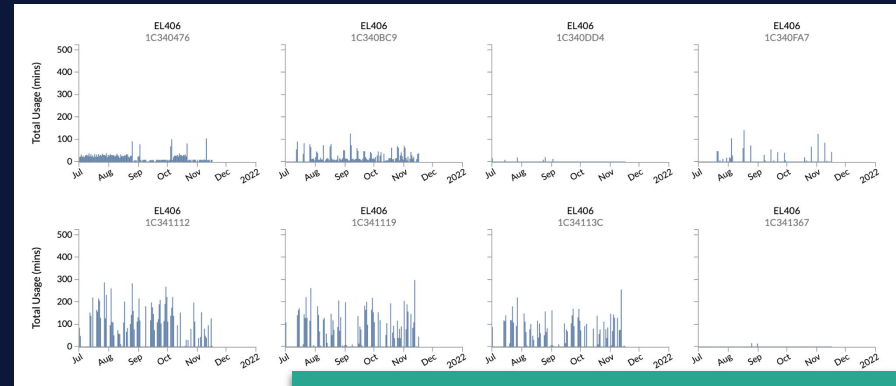
Incubator Trending High on Over Temp Alerts Caused by High Power Consumption

# Optimize Asset Sharing / Daily Operations

- Supply chain constraints & flex lab spaces driving increased sharing
- Usage based maintenance & consumables management

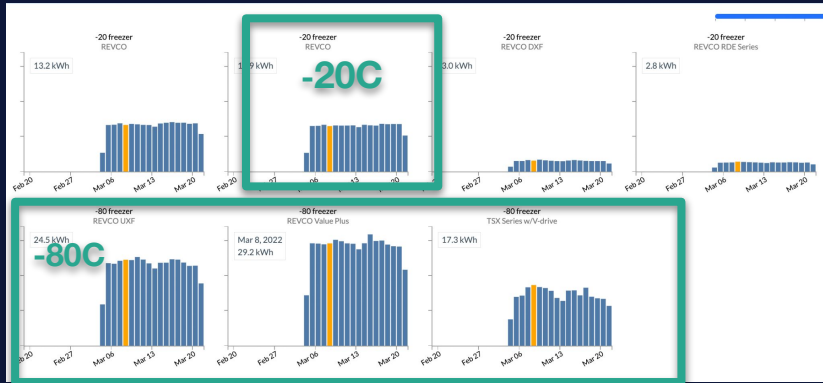


**AKTA Relocated to Area with Higher Usage**



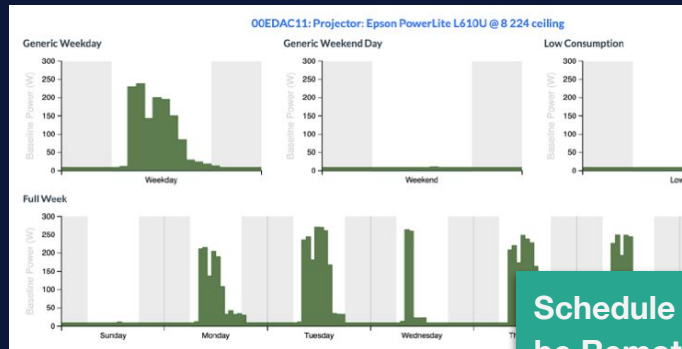
**Daily Platewasher Maintenance Prioritized with Utilization Data**

# Easy Energy Wins



A -80C model set to -20C Uses as Much Energy as an Eco -80C

- Age, maintenance & usage practices heavily influence the energy efficiency and reliability of equipment
- Need for data driven decisions on set points, maintenance frequency, right equipment make/model for application



Schedule Non-critical Equipment to be Remotely Powered Down

# Democratization of Data



**Smallest Device with the Largest Data Set**