



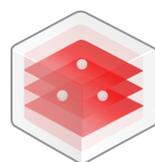
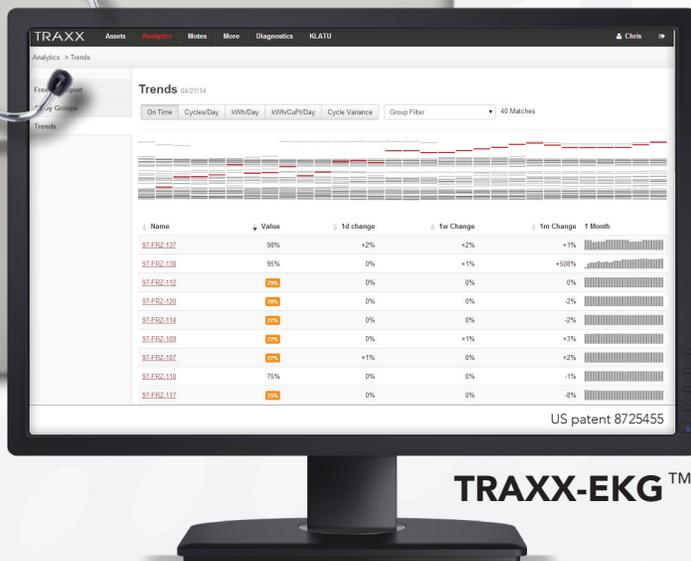
WHAT DOES YOUR ULT KNOW, BUT IS NOT TELLING YOU?



"... I am sick, and I need help."

With TRAXX™ from KLATU, you can...

- Predict failures before they occur.
- Significantly reduce repair and energy costs.
- Increase asset service life by two years or more.
- Decide which freezers to repair or retire.
- Add Predictive Analytics and keep your existing system, or replace and upgrade it with TRAXX.



klatu™
networks

INTRODUCING TRAXX/OTT™ – OVER-THE-TOP PREDICTIVE ANALYTICS FROM KLATU

When TRAXX is added over the top of your existing monitoring system, you will have state-of-the-art analytics enabling you to transition from a *fail-and-fix* to new *predict-and-prevent* maintenance practices. You keep your existing system that provides basic temperature monitoring and alarm services. But TRAXX will work in the background, providing actionable information you will use to increase uptime by 20%, reduce unplanned breakdowns by 70%, reduce maintenance and energy costs by 20-30%, and increase asset service life by two years or more.

HOW DOES TRAXX WORK?

TRAXX works like a medical EKG system providing benchmark performance data for cold-storage equipment and walk-in rooms located across the hall or 2,500 miles away. Sensors are placed on the door and power line to measure compressor stress, much like a blood-pressure cuff measures stress on the heart. Every minute, TRAXX will assess the mechanical health and energy performance in comparison to its peers, to derive and assign a *TRAXXScore™*. *TRAXXScore* is similar to a *FICO™* credit score – it’s a number indicating the relative health, reliability and energy efficiency of cold-storage systems – and it is patented by KLATU. That is why TRAXX is often seen as a new “must-have” technology for reducing operating costs, avoiding catastrophes – *and doing more with less*.

HOW WE COMPARE

FEATURE	YOUR EXISTING TEMPERATURE MONITORING SYSTEM	YOUR EXISTING TEMPERATURE MONITORING SYSTEM – WITH TRAXX OVER-THE-TOP
Temperature	✓	✓
Temperature Alarms	✓	✓
Door Open Alarms		✓
Compressor Cycle Analytics		✓
Predictive Failure Analytics / Performance Benchmarking Scores		✓
Repair Management and Validation of Repairs		✓
Energy Management. Utility Incentives and Rebates ²		✓

¹ US Patent 8725455. Other patents pending.

²Select markets.

THE DARKNESS OF A HIDDEN INDUSTRY PROBLEM

Even with regularly scheduled maintenance, KLATU research shows that 30-50% of all ULTs exhibit signs of mechanical stress. Even when new, 10-15% of ULTs show signs of imminent failure and 30% of all ULT repairs are ineffective. When ULTs fail, 75% of the failures will occur outside of normal business hours, creating a crisis response and maximizing repair cost. With TRAXX, maintenance issues can be detected weeks, months and sometimes years earlier, allowing lower-cost repairs that can be planned and scheduled.

HOW TO GET STARTED WITH KLATU

Call us today and request a demo. This is the best way for you to compare TRAXX with the monitoring system you already have. Talk with your KLATU Representative – we can help build a business case to justify the purchase of TRAXX based on payback analysis. Working together, you will learn about deployment costs and the results you can expect from deployment of TRAXX.

JUST A FEW OF OUR CLIENTS...

ThermoFisher
SCIENTIFIC

life
technologies™

 **MERCK**



abbvie



Bioverativ

AMGEN

 **NOVARTIS**



UC San Diego

UC DAVIS
UNIVERSITY OF CALIFORNIA

 **Stanford**
University


University of Colorado
Boulder

MIT

 **Biogen**

GENALI
THERAPEUTICS

 **affymetrix**

BIOMARIN

Johnson & Johnson
INNOVATION | JLABS

ABOUT KLATU

Established in 2012, KLATU is a leading developer of Predictive Failure analytical software already deployed at 6 of the top 10, and 8 of the top 20 largest Life Science/Pharmaceutical companies and Research Universities. Marketed under the trademark TRAXX™, our cloud-based analytical software and Wi-Fi-based sensors enable real-time temperature monitoring like everyone else, but we are the only company offering a patented technology for performance benchmarking, predictive failure analytics and energy management of cold-storage, incubation and other mission critical equipment.