Bringing Transparency to Energy
ABOUT SUMMA

• Founded by Chris Atkins, a certified energy manager
• Experience illustrated common problems
• We know the problems you face
• We understand what tools are needed to help solve those problems
• We have the knowledge and experience to implement those solutions
**WHAT WE DO:**

**SERVICES**
- Assessment & Design
- Programming & Commissioning
- Design Build
- Ongoing Service & Maintenance
- Hardware Agnostic

**SOFTWARE**
- Real-Time Energy Monitoring
- Displays
- Reports
- Utility Monitoring & Bill Verification
Services
ASSESS & DESIGN

- Needs Assessment
- Metering Blue Prints For Construction
- Energy Metering Specifications
- Request for Proposals (RFP)
- Oversee Bid Process
- "Hands On" Approach with Contractors
PROGRAMMING & COMMISSIONING

• Verify correct install after project completion
• Verify data is being read and reported correctly
• Program meters to communicate through networks
• Program meters to communicate with front-end / DAS
• Solve network issues / work with IT
**DESIGN-BUILD**

- Needs Assessment
- Engineering & Design
- Program & Commissioning
- Construction Supervision
- Maintenance (built in by request)
- Vitality typically included (or specified)
- Turn-key; All included!

**METER SYSTEM MAINTENANCE**

- Verification of continued data integrity
- Hardware repairs
- Hardware inspections
- Network support
- ECM recommendations
- User Training
Software
Software Configuration for Real-time Energy Monitoring

- Software agnostic
- Verified meter registration & configuration
- Display and report configuration
- Users configured and verified
- User training (Vitality only)
Customers
SOME CURRENT CUSTOMERS:

- Johnson Controls
- Salt Lake Community College
- United States Coast Guard
- Stone Ground Bakery, Inc.
- DSU
- Summit Energy
- The Great Seal of the State of Utah
- UTMB
- University of Central Oklahoma
- University of Utah
- US Synthetic
- Summa Energy Solutions
THE UNIVERSITY OF UTAH

- Started metering in 2007
- Put all meters into BAS
- Started noticing the BAS “slowing” or having issues in 2012
- Spent countless dollars fixing issues with BAS and metering platform
ISSUES WITH BUILDING AUTOMATION SYSTEMS...

- BAS’s were not designed to handle the amount of data that energy meters can provide.
- BAS’s were not designed for historical trending over long periods of time.
- BACNet and other protocols can slow down with more data flowing through it.
SUMMA’S APPROACH:
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• Summa’s Services Requested (2013)
  • Problem Assessment
  • Engineering & Design
  • Programming & Commissioning
  • Design-Build
  • Ongoing Service & Maintenance

• Vitality 1.0 + M&V
UTAH NATIONAL GUARD

121 Buildings
Design-Build project
Needs Assessment/Design
Program & Commission all devices
Vitality Energy Analytics
Utility Monitoring & Verification
US COAST GUARD SECTOR

- Needs assessment
- Programming and Commissioning of existing meters
- Vitality
- Design for remaining buildings & other sectors
- Budgetary planning for implementations
Summary

• Services and software designed by energy managers for energy managers, including:
  • Assessment & design
  • Programming & commissioning
  • Software integration
  • Reports, ECM recommendations, alerts
  • Utility bill verification & analysis
  • Maintenance
• DOD approved company
• DOD approved components
• SAM certified
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