



UCSB reduces energy costs while improving occupant comfort

"Ecorithm's True Analytics™ empowers our engineers with clear feedback on building performance."

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Challenge

University of California, Santa Barbara (UCSB) manages a portfolio of over 100 buildings across its 8 million square foot campus. This complex network of buildings is managed by a central campus BMS system.

- Campus hot water system was hampered by systemic faults
- Lack of insight into building commissioning needs over time and increasingly complex future building operations
- Centralized management offered little information on past control and operational shortcomings

Solution

- Ecorithm's True Analytics™ software monitors trended points for persistent and recurrent faults
- Ecorithm delivers daily reporting of faults via web interface
- Weekly reports generated and reviewed with facility team
- Documentation of control and operational deficiencies to support implementation of campus sustainability plan and utility incentives

Results

- Thermal Comfort Index increased by 29% while HVAC energy consumption decreased by 15%
- Corrective actions implemented in hot water system resolved several systemic faults
- True Analytics will allow the university to scale continuous commissioning to other buildings

True Analytics from Ecorithm provides a simple solution to a complex problem: directly actionable insights for building systems. True Analytics integrates advanced data science techniques with mechanical engineering expertise to rapidly deliver highly accurate analytics. Ecorithm's customers receive unprecedented visibility into the complex, dynamic systems in their buildings, empowering them to run their buildings at peak efficiency.