

# The Stowers Institute

Ensuring Uninterrupted  
Scientific Discovery



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## CLIENT CASE STUDY

# Stowers Institute & Blackfin - Ensuring Uninterrupted Research

## Executive Summary

The Stowers Institute, a vital medical research hub, faced infrastructure reliability issues threatening crucial experiments and animal safety.

Partnering with Blackfin, they conducted a comprehensive condition assessment of mechanical and electrical systems.

Blackfin's engineers, with 50+ years of experience, delivered a 10-year strategic roadmap, minimizing system failure risks and research disruptions. This plan

boosted energy efficiency, reducing operational costs, and enhanced long-term sustainability.

A detailed capital improvement plan with prioritized projects aided strategic budgeting, preventing costly emergency repairs. Critically, animal safety improved through reliable infrastructure. Blackfin's expertise ensured a practical, actionable plan, supporting the Institute's mission to advance scientific discovery.

## Project Overview

**Facility Type:**  
Biomedical Research Facility

**Property:**  
Stowers Institute for Medical Research Kansas City, MO

**Challenge:**  
Risk of system failures disrupting research and animal safety.

**Solution:**  
Blackfin's assessment and 10-year plan ensured infrastructure reliability.



## CHALLENGE

The Stowers Institute for Medical Research, a hub for foundational life science research, faced the critical challenge of ensuring the reliability of its complex mechanical and electrical infrastructure. Potential system failures threatened sensitive experiments, animal safety, and the continuity of vital scientific discovery.

## ACTION

To address this, the Institute partnered with Blackfin to conduct a comprehensive condition assessment. Blackfin's experienced engineers meticulously evaluated the existing infrastructure, developing a 10-year strategic capital improvement plan. This plan detailed prioritized projects and cost estimates, enabling proactive budgeting and planning.

## OUTCOME

The assessment and plan significantly reduced the risk of system failures, minimizing disruptions to research activities and safeguarding animal welfare. Improved energy efficiency led to reduced operating costs, freeing up resources for further research. The strategic plan enhanced long-term sustainability, ensuring the Institute's infrastructure could support groundbreaking research for decades. Ultimately, Blackfin's expertise delivered a practical and actionable plan, securing the Institute's ability to advance scientific discovery.

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"Blackfin's team is reliable, responsive, and understands the unique demands of our research environment. They've become a trusted extension of our facilities team."

— Facilities Manager, Stowers Institute



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