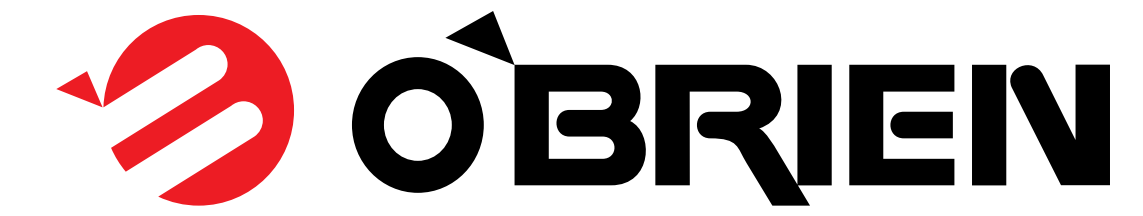




TOTAL STEAM SYSTEM SOLUTIONS: BY THE NUMBERS

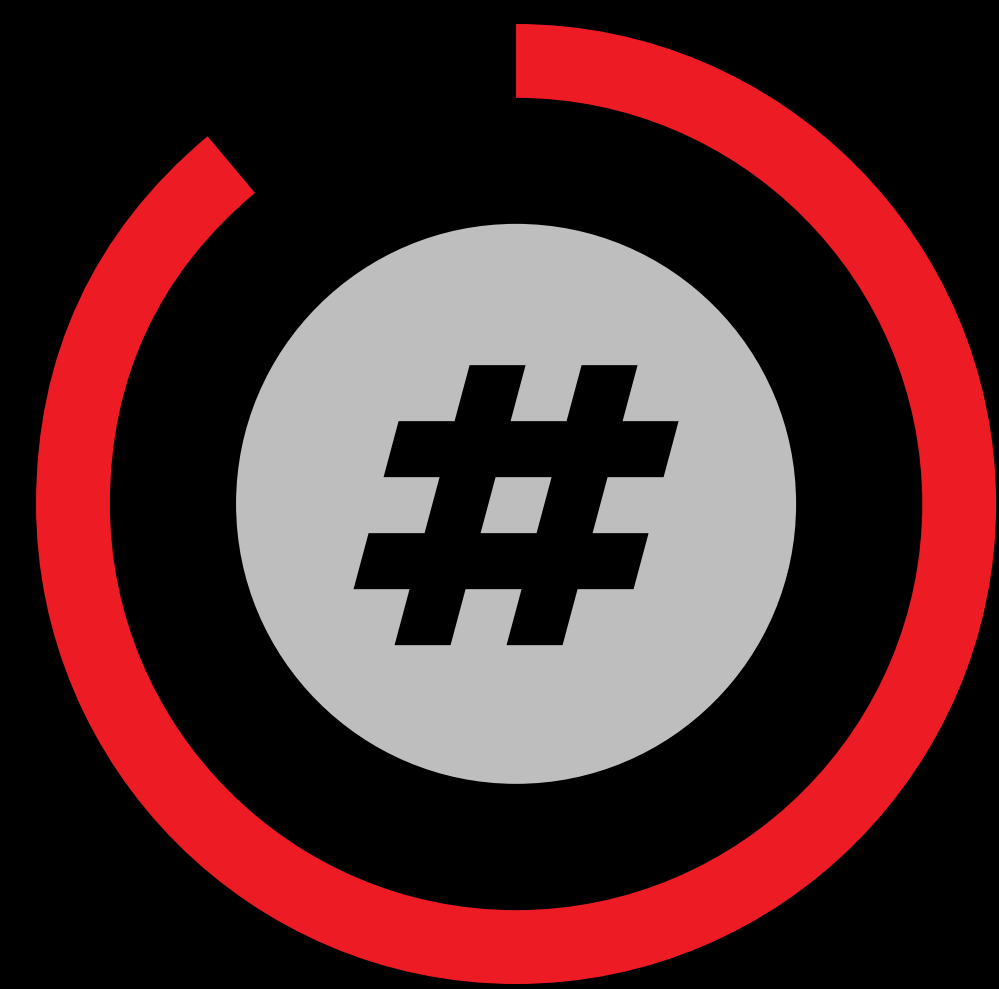


Strategies for minimizing total cost without compromising performance

Data sourced from three, real-life case studies. Actual savings will vary by project.

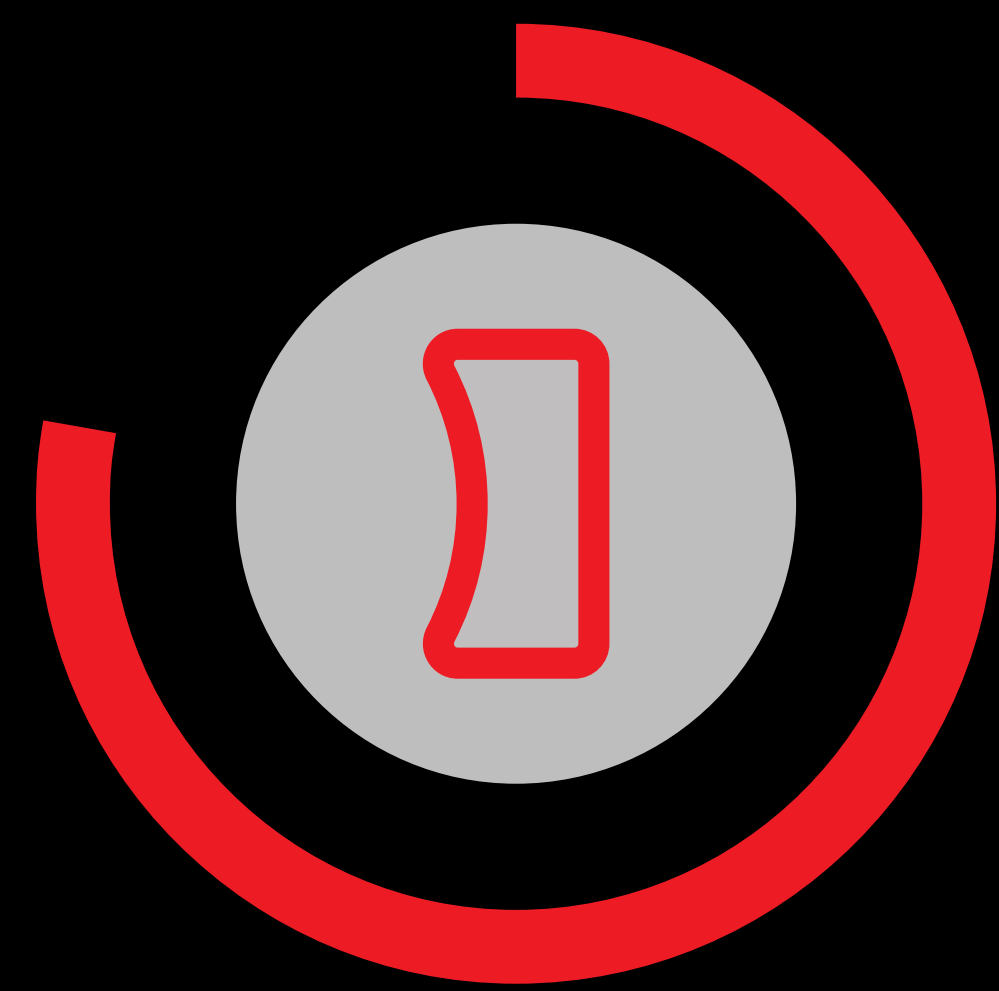


OPTIMIZING TECHNOLOGY SELECTION AND CIRCUIT LENGTHS



89%

Reduction in the number of steam circuits



78%

Cost savings from choosing the best technology and optimizing circuits

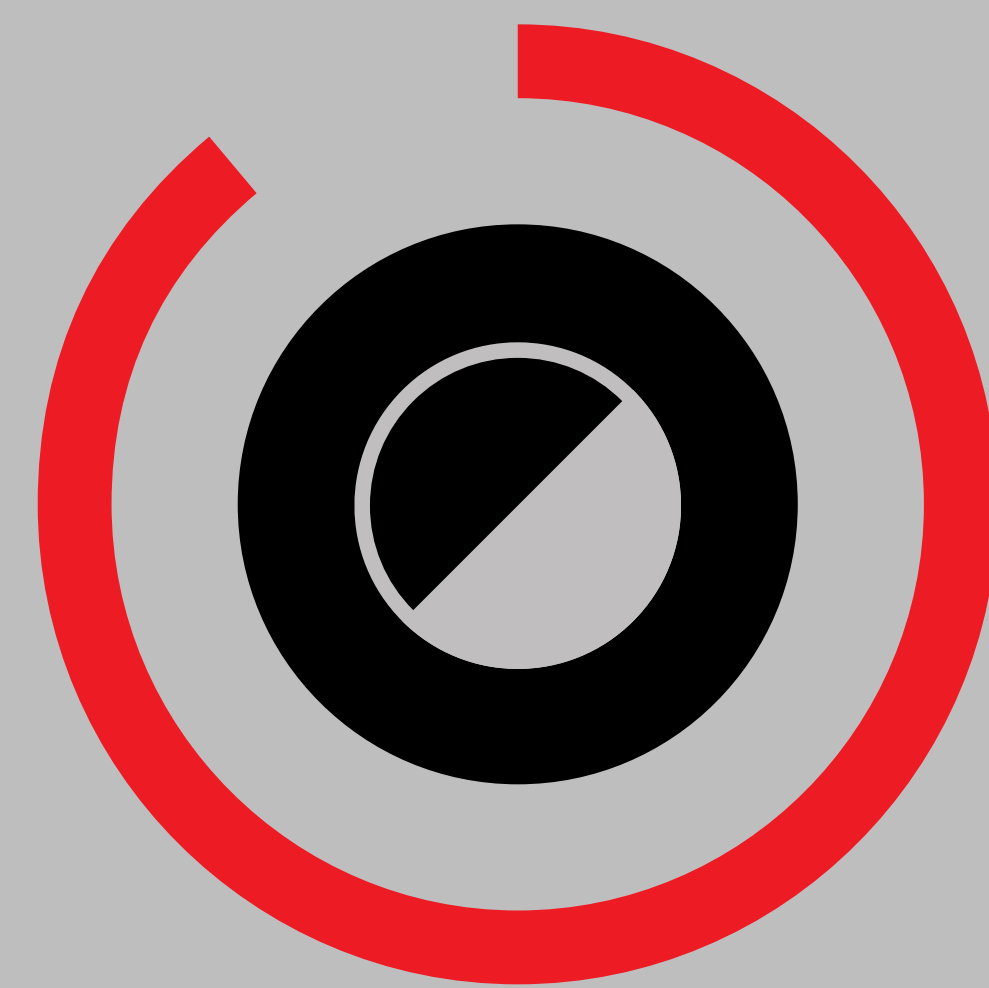


OPTIMIZING UTILITY INFRASTRUCTURE



78%

Reduction in annual steam costs

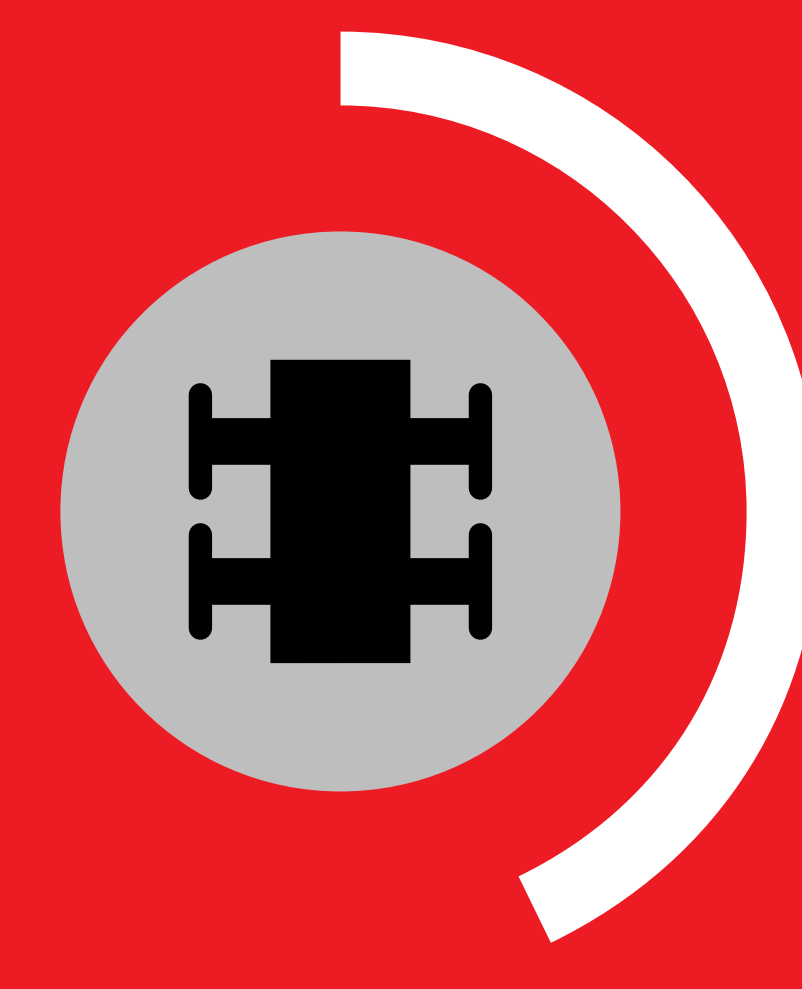


89%

Reduction in annual trap replacement costs



STRUCTURING THE BID PROCESS TO REWARD OPTIMIZATION



43%

Total cost reduction with Manifold Optimization Services (MOS)

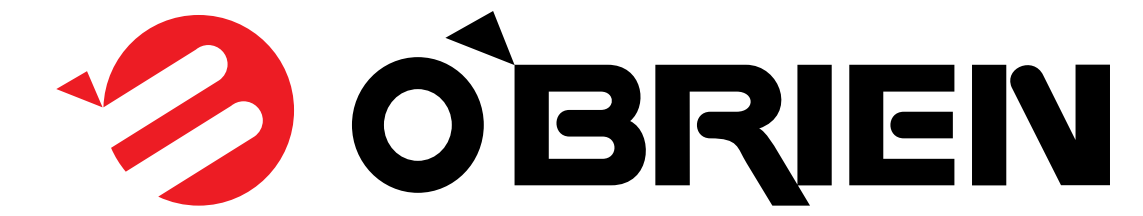


50%

Cost reduction with lump sum bid structure

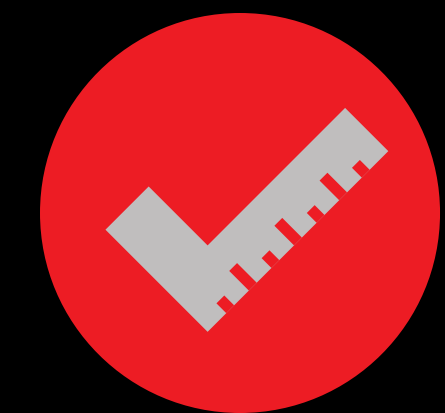


TOTAL STEAM SYSTEM SOLUTIONS: BY THE NUMBERS

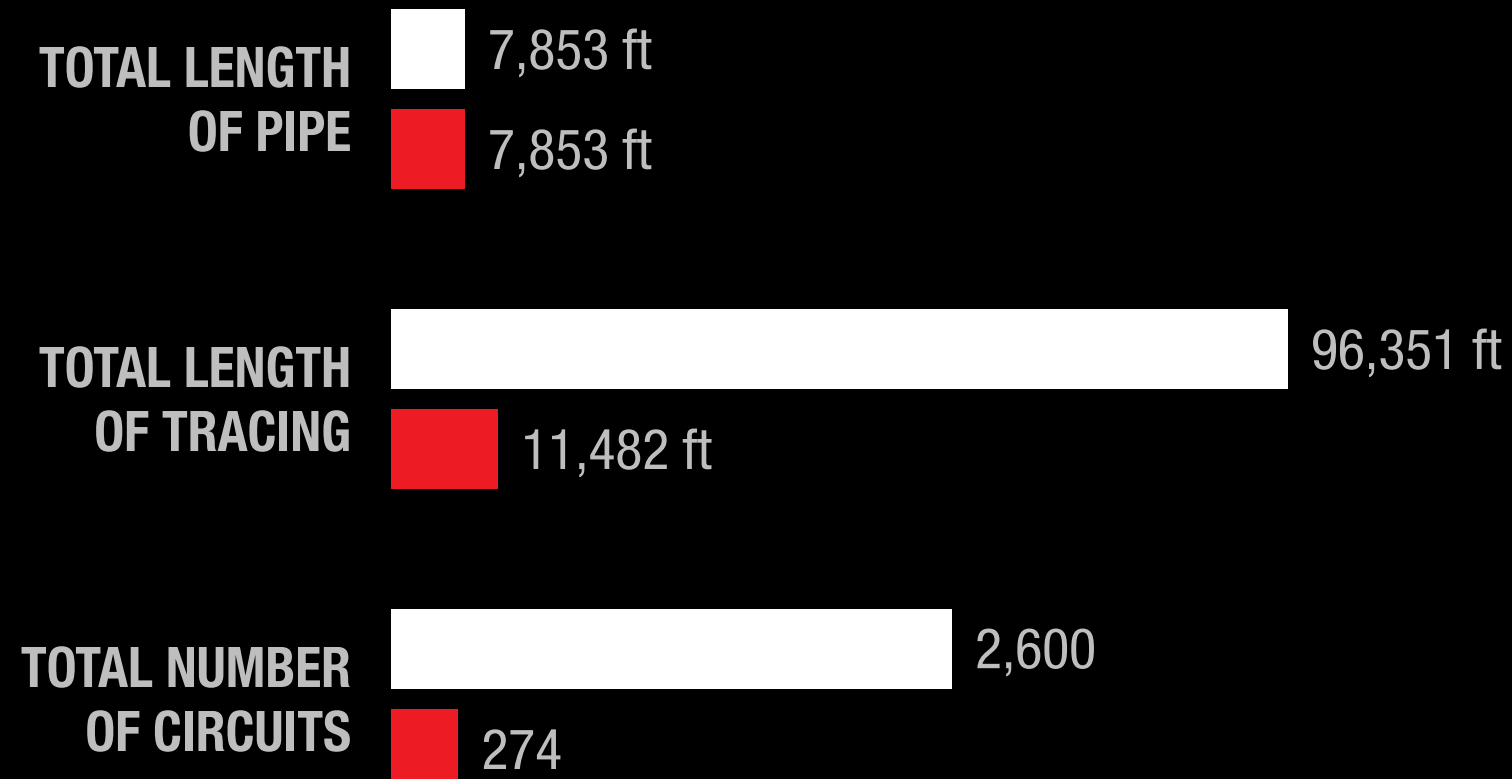


Strategies for minimizing total cost without compromising performance

Data sourced from three, real-life case studies. Actual savings will vary by project.



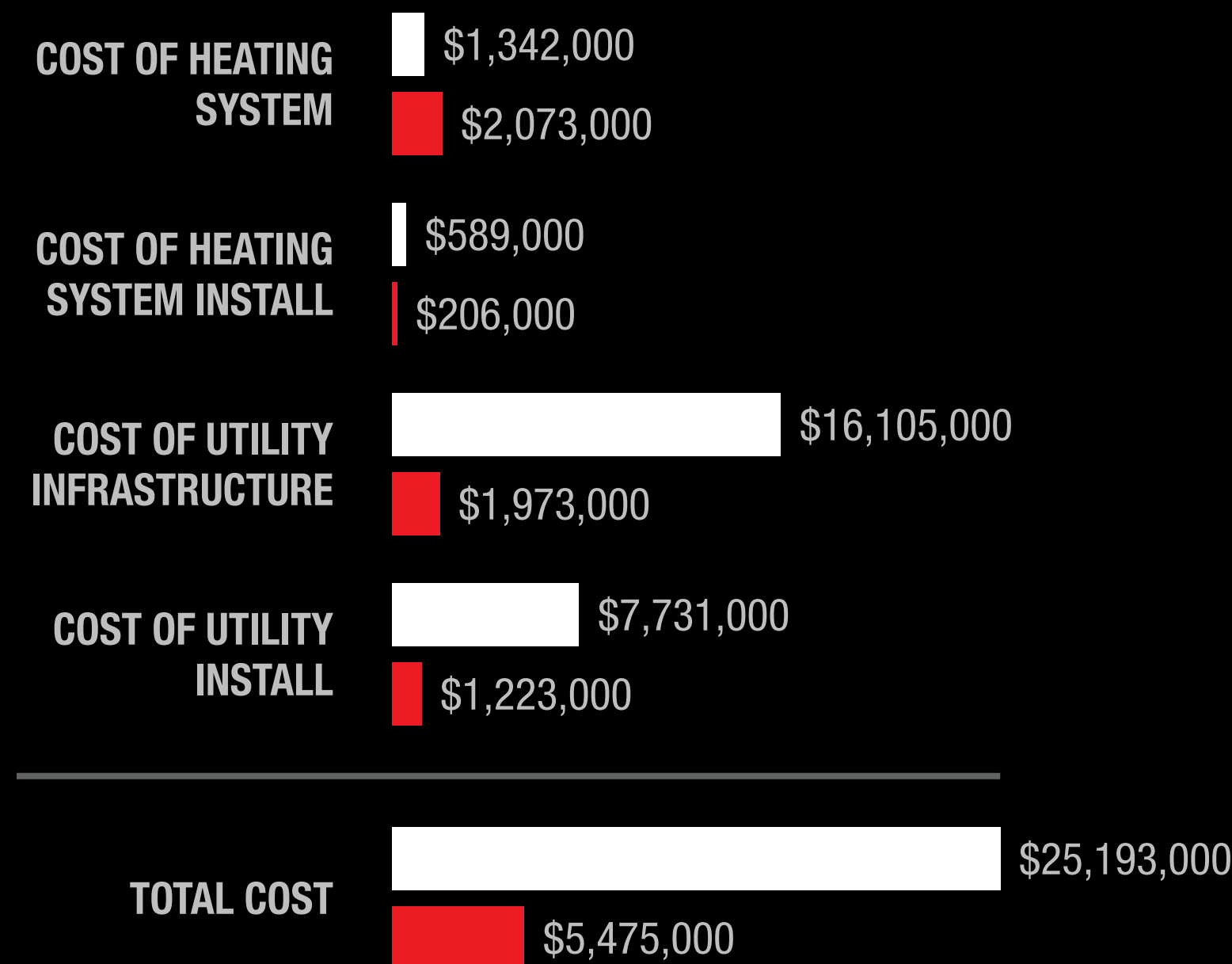
OPTIMIZING TECHNOLOGY SELECTION AND CIRCUIT LENGTHS



89%

Reduction in the number of steam circuits

Original Design Basis: Bare Tube Tracing Only
Revised Design: Combination of Bare Tube Tracing and ControTrace



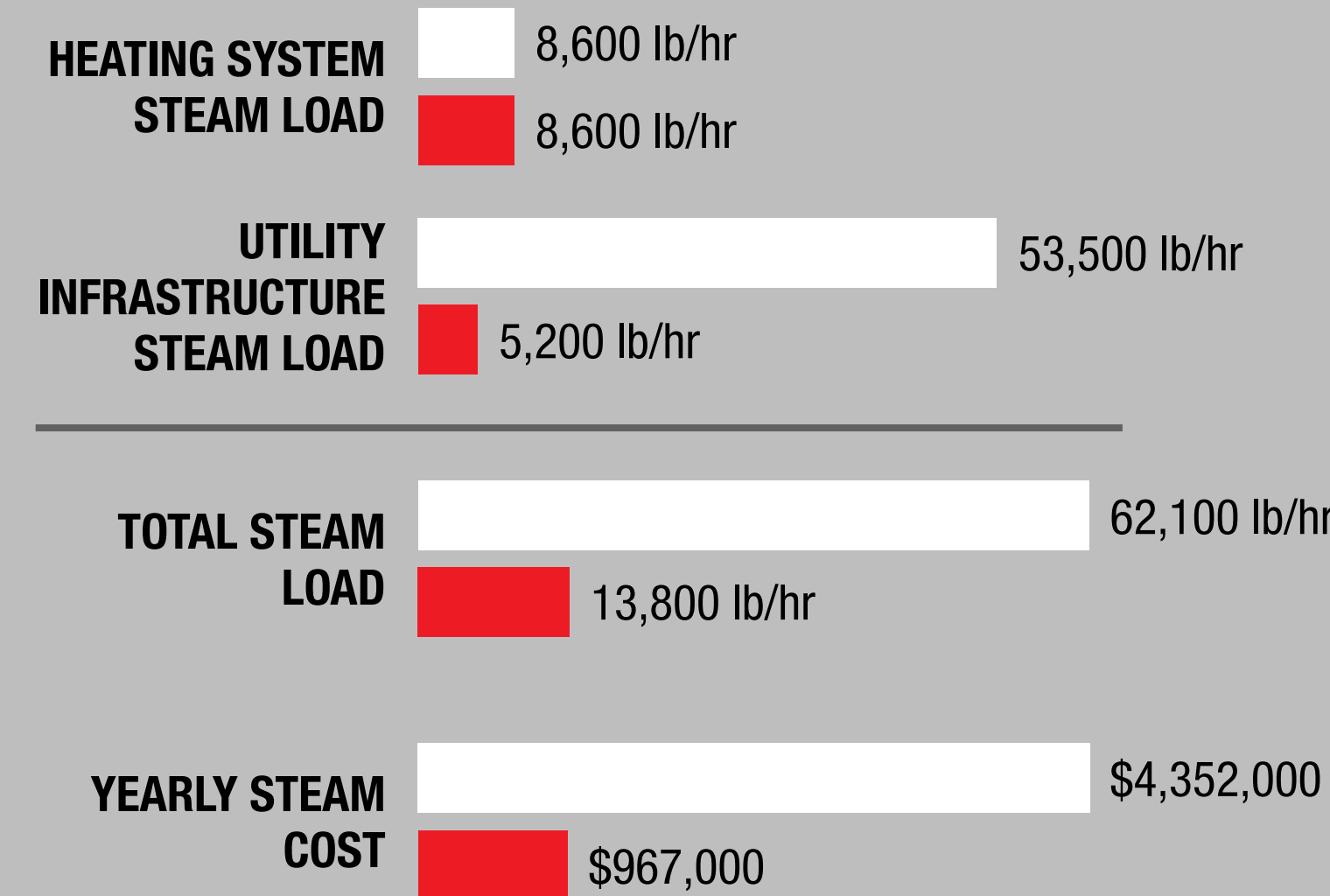
78%

Cost savings from choosing the best technology and optimizing circuits

Original Design Basis Revised Design

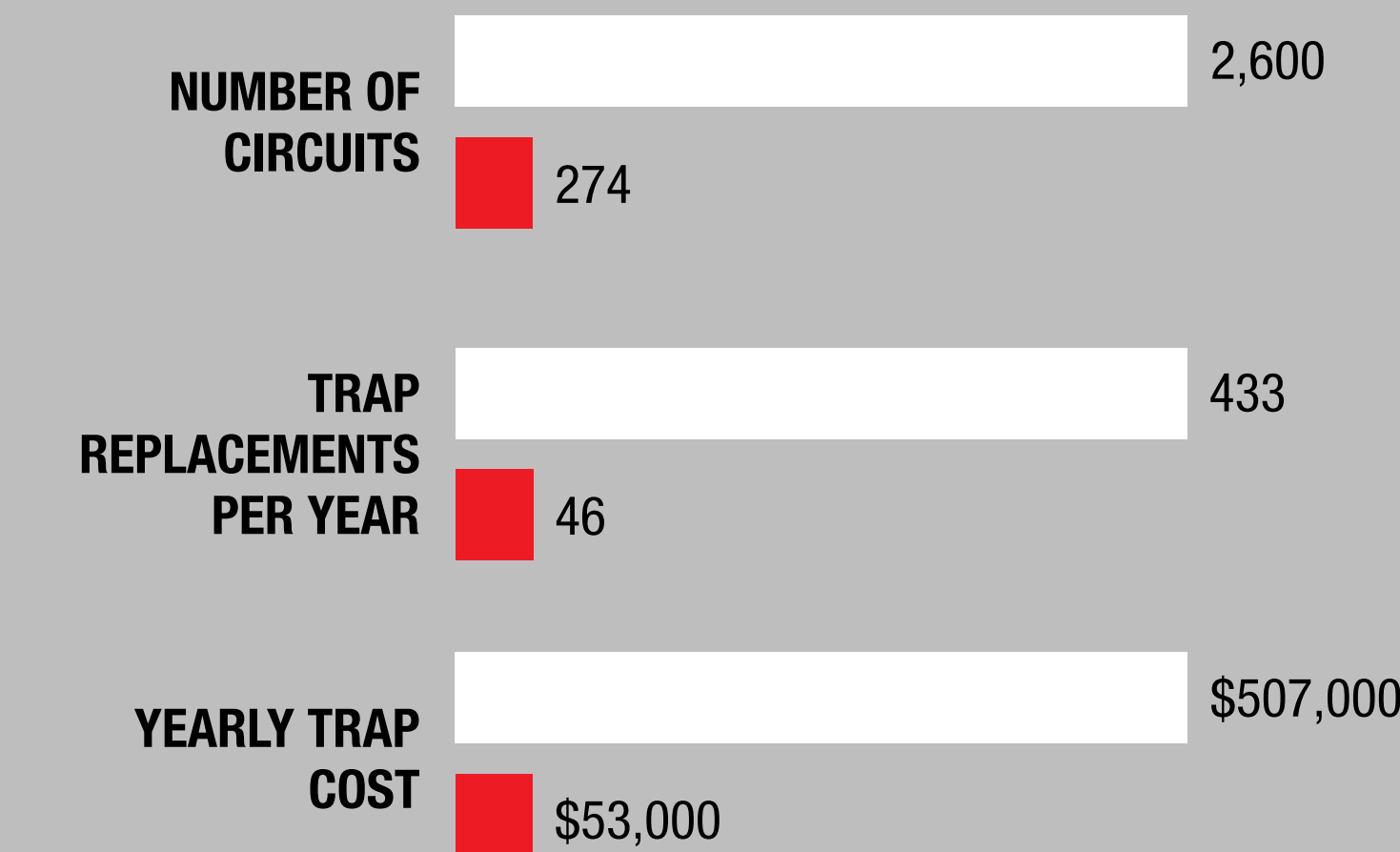


OPTIMIZING UTILITY INFRASTRUCTURE



78%

Reduction in annual steam costs



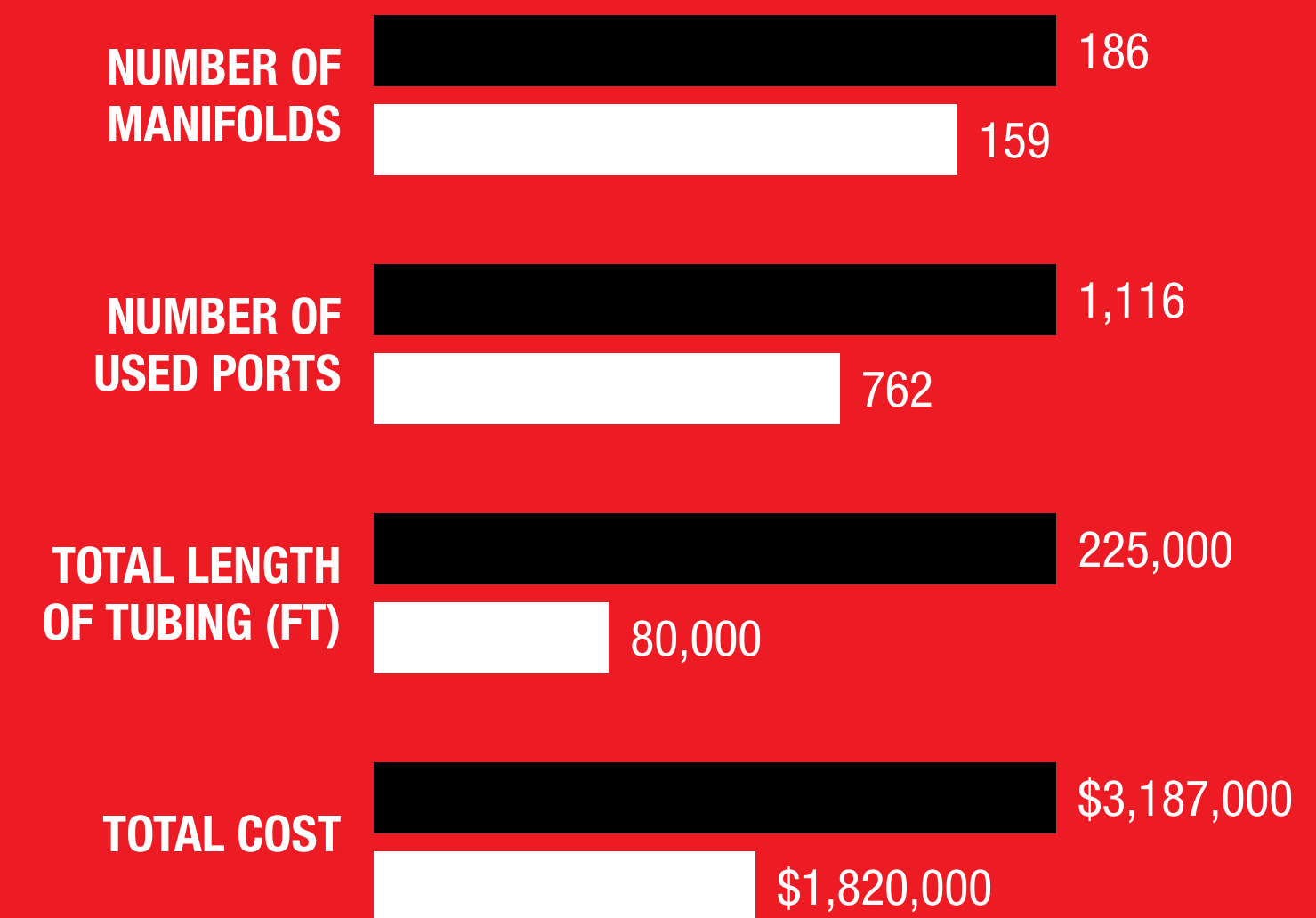
89%

Reduction in annual trap replacement costs

Original Design Basis Revised Design



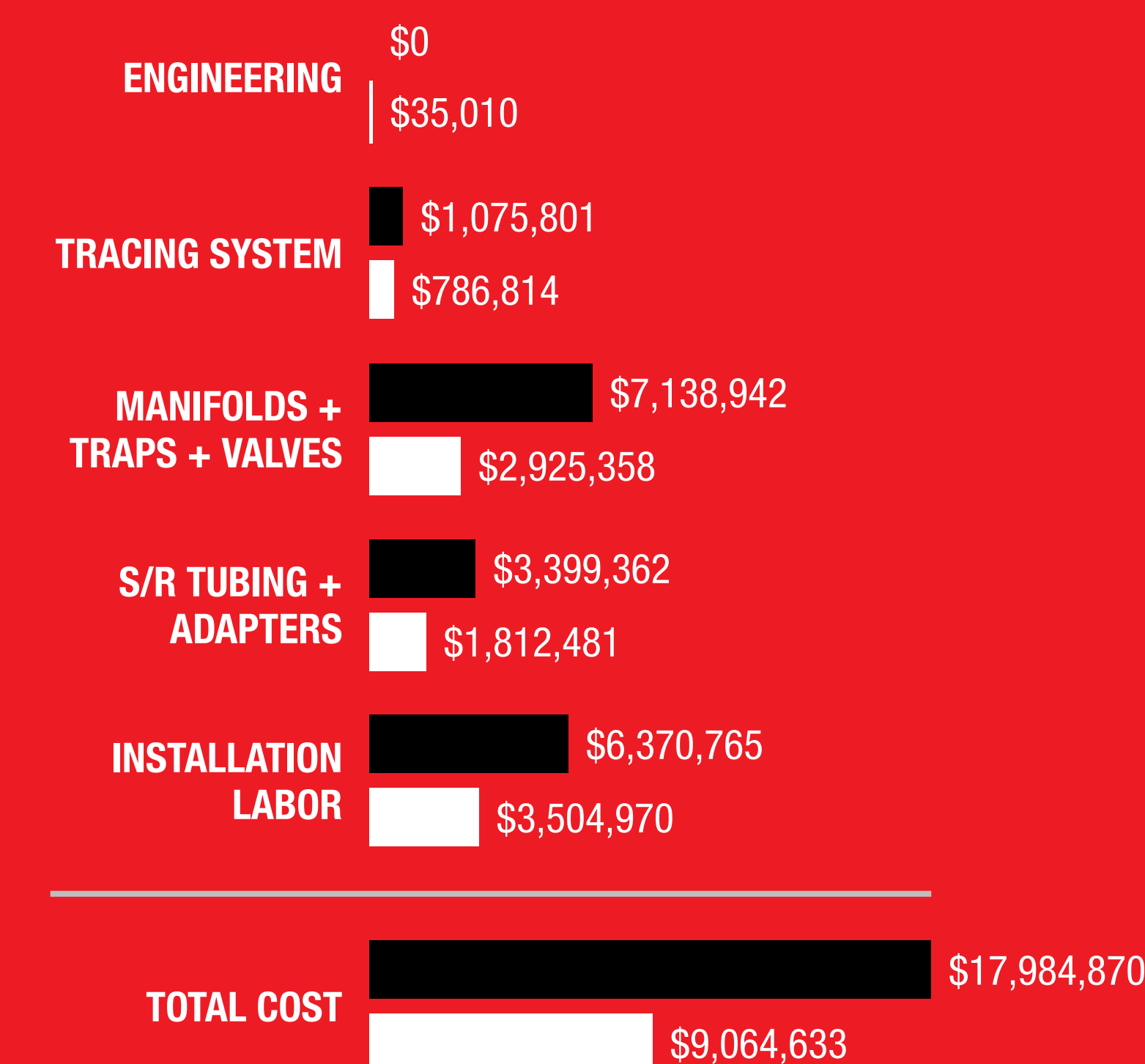
STRUCTURING THE BID PROCESS TO REWARD OPTIMIZATION



43%

Total cost reduction with Manifold Optimization Services (MOS)

Original Design Basis Revised Design



50%

Cost reduction with lump sum bid structure

As-Built System (unit pricing) CSI Proposed System (lump sum)

