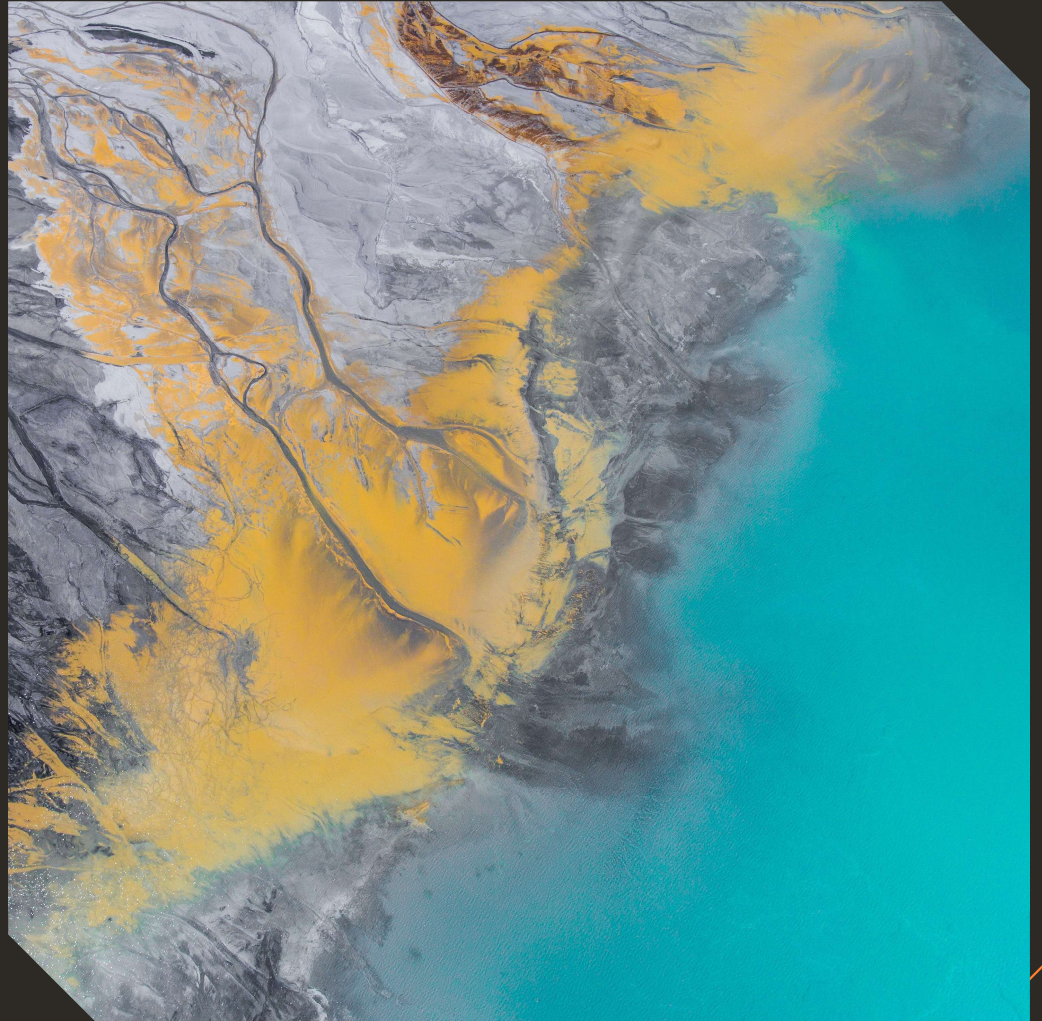


# Empowering Efficiency and Decarbonization Through Energy Modeling & Simulation





# Digital Intelligence Behind Smarter Energy

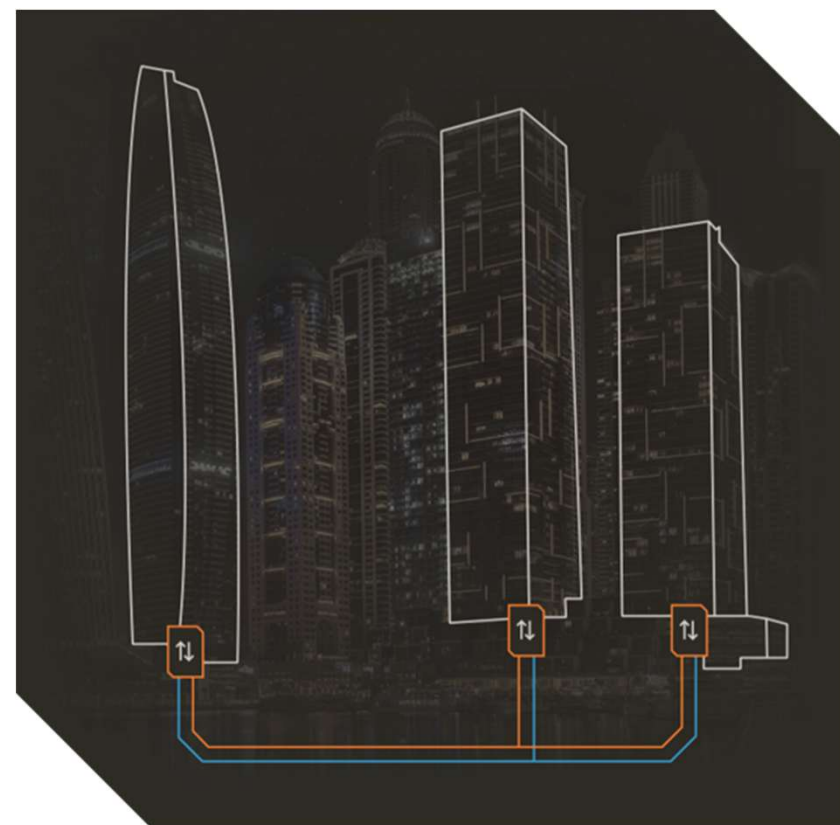
- Models simulate energy demand, system performance, and emissions
- Inputs include weather, usage patterns, equipment specs, and occupancy trends
- Allows proactive planning, performance optimization, and scenario testing
- Reduces guesswork in operations, capital investment, and carbon planning





# Unlocking Value: Operational, Environmental & Financial

- Optimize energy use to lower utility costs by 10–30%
- Identify least-cost pathways to carbon reduction
- Avoid over-investing with right-sized infrastructure upgrades
- Reduce exposure to fuel price volatility and carbon pricing
- Create business cases for grants, incentives, and low-carbon financing





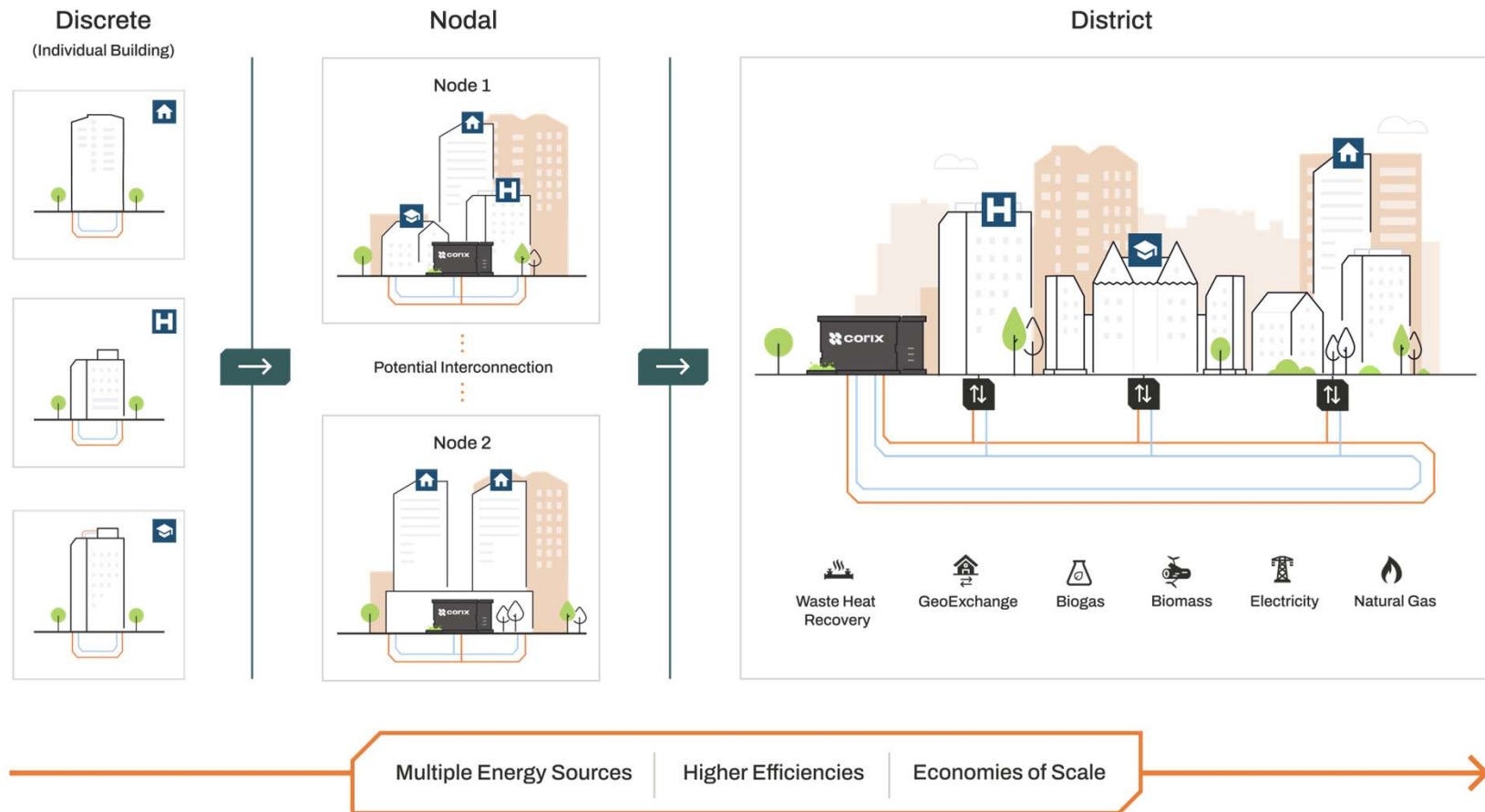
## Guiding the Journey, Together

- Collaborative energy and carbon planning
- Transparent ROI forecasting for upgrades and retrofits
- Alignment with ESG goals, reporting frameworks, and funding pathways
- Tools to engage internal stakeholders and demonstrate value
- Long-term partnership for tracking and refining impact
- Identify vulnerabilities and risk mitigation





# Energy from Discrete to District Level





# The Business Case for Modeling & Simulation



Energy cost savings:  
Operational optimization  
leads to double-digit  
reductions



Capital efficiency: Avoids  
oversizing and  
unnecessary upgrades



Lifecycle value: Modeling  
supports Total Cost of  
Ownership (TCO)  
analysis



Carbon monetization:  
Enables carbon credit  
strategies and cost  
avoidance



Faster ROI: Supports  
incentive qualification  
and performance  
guarantees



Energy that inspires

