

# STREETCAR PROPULSION CONSIDERATIONS

## 100% On-Wire

Full-length of Corridor on Overhead Wire

Benefits: Proven technology, reliable, and cost-effective

Issues: Visual and aesthetic impacts from poles and overhead wires

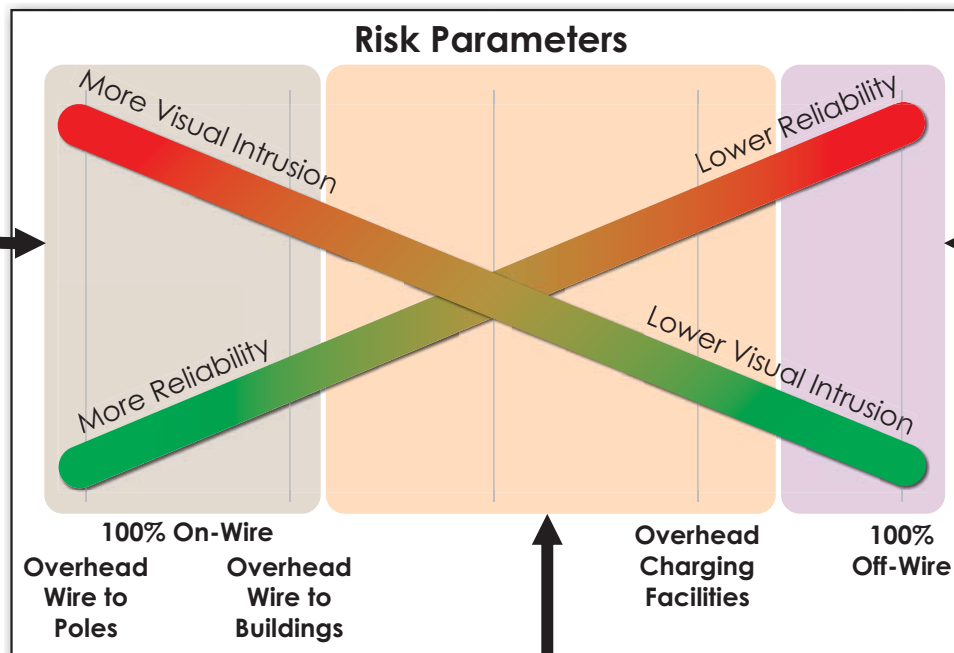


## 100% Off-Wire

Completely Off-Wire Technology

Benefits: No overhead wires and low visual intrusion

Issues: - Often proprietary and expensive  
- Questionable reliability in heavy traffic and weather sensitive



## Hybrid Approach

Battery/Super Capacitor with recharging at station stops  
Overhead wire under Whitehurst Freeway, potentially under Washington Circle, and on Hopscotch Bridge

Benefits: Minimal visual intrusion with good system performance and reliability  
Issues: No recharging between stops and limited application of technology



Hybrid streetcars in operation in Dallas, TX



Proposed hybrid streetcars for Detroit, MI, Oklahoma City, OK and Milwaukee, WI