

# Way forward – some questions/challenges



- Cost and total cost structures
  - System design (duty cycle, lines, battery choice, concept, charging), battery and vehicle lifetime, concession and depreciation times, residual values
- E-bus and system performance
  - KPI's, efficiency (productivity), environmental and societal impacts, special conditions (Nordic winter)
- Procurement, contractual and organisational frameworks
  - What is procured and how, ownerships, services, maintenance, ecosystem building (PTA, city, PTO, service provider and technology provider interplay)
- Interoperability
  - Standardisation (vehicle and charging)
- Energy provision and operational flexibility
  - Charging infrastructure design, energy management, fleet management, operational margins
- Scalability and roll-out strategies
  - Which lines to electrify, which buses, which technologies (BEV, FC-RE, PHEV, HEV), optimal charging infrastructure