

# Future Freight Energy Hubs

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January 2022

## Addressing barriers to zero emission trucks in Queensland to 2025





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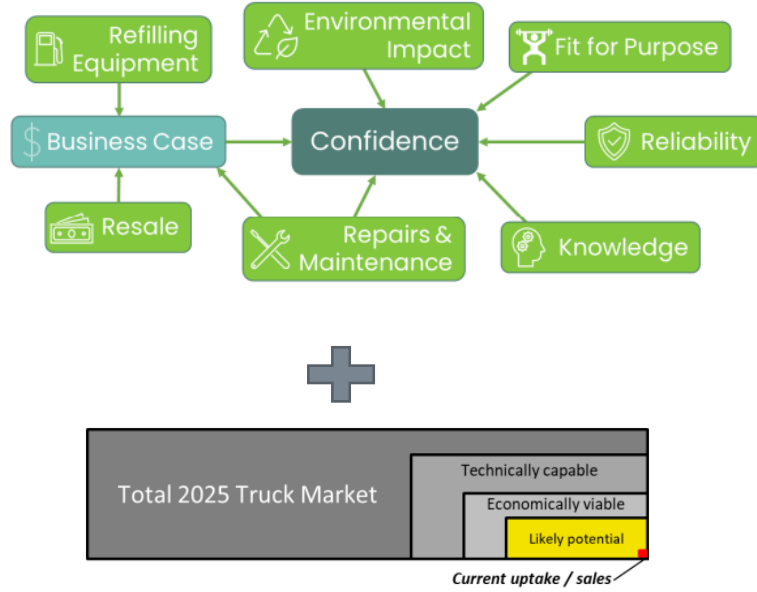
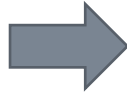


Figure 1 – The barriers that constrain ZE truck uptake in the Queensland market





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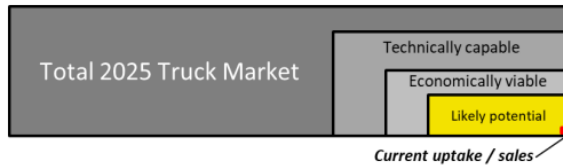
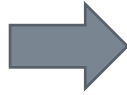


Figure 1 – The barriers that constrain ZE truck uptake in the Queensland market



High confidence of compatibility for battery electric trucks in 2025	Urban delivery trucks	Low frequency stopping waste compactors
Moderate confidence of compatibility for battery electric trucks in 2025	Regional delivery trucks	High frequency stopping waste compactors





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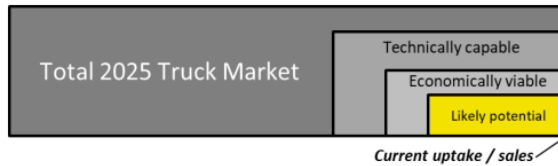
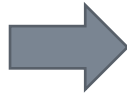


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### Accelerator opportunity 2

#### Zero emission transport precincts and hubs

Large transport hubs could become ZE transport accelerators to set the stage for early adopters and leader fleets. Demonstrating the technology in action, collecting data, and linking participants, has been one of the best tools to build confidence for decision makers.

- High traffic areas can act as a launch pad by providing:
  - aggregated demand for vehicles and fuels
  - a hub for fleets to try out ZE models provided by manufacturers
  - shared resources & learnings for fleets, industry & government
  - a platform to explore infrastructure solutions
  - a demonstration leadership in new technology and sustainability

Examples where this concept could flourish: Port of Brisbane, Brisbane Markets, Agtech and logistics hub Toowoomba, InterlinkSQ Toowoomba,



# Future Freight Energy Hubs: what?

Tailored assistance expert assistance to assist the transition of Queensland freight hubs and their customers to Zero Emissions trucks.

3 hubs will gain access to sustainable transport consultants MOV3MENT to provide a tailored package which may include:

- A ZEV 'readiness check' or needs analysis.
- Sharing and presenting information on the role of ZE trucks, including the total cost of ownership assessments as well as case studies on truck and fleet EV deployment.
- Discussing the infrastructure requirements of electric or hydrogen trucks at various deployment scales
- Discussing ARENA grants and opportunities.
- Identifying additional requirements of hubs and fleets.
- Drive ZE models (through our collaborations with trucking OEMs)

# Future Freight Energy Hubs: who?

- We'd love to apply to be one of the 3 funded hubs if
  - you operate as a logistics centre for freight for more than one companies' fleet
  - you are based in Queensland
  - you have or want to start a journey to zero emissions trucks and are keen to maximise value through collaboration with others
  - you are comfortable sharing any learnings (de-identified) in a report and/or case study to accelerate the journey for others.



# Future Freight Energy Hubs: what now?

Answer the simple set of questions we'll send you in the webinar pack today and return it back to me by 30 June, 2022.

If you'd like to chat or learn more, contact me on 04211 23802 or [lauren@qtlc.com.au](mailto:lauren@qtlc.com.au)