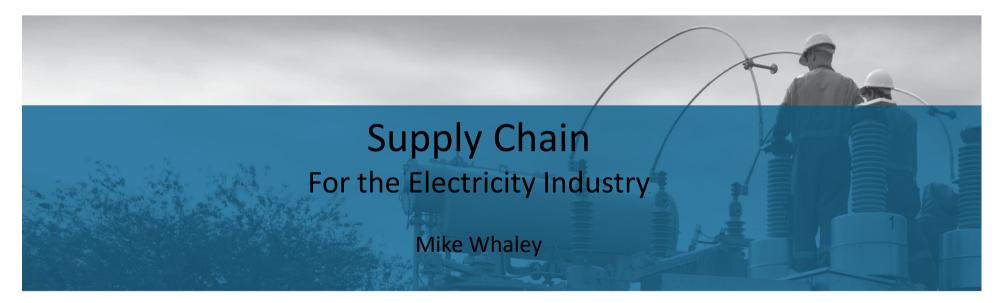




2017





EEA.CO.NZ

#### A Marketing Perspective

Marketing theory holds the supply chain as one of the main ways for developing a deeper relationship with customers.





# Ebola?

For those in essential supply utilities, two main recommendations:

- 1. Further develop:
  - Acuity (capability to understand event risks and recognise how they affect the business)
  - Navigation (capability to make good decisions when events occur)
  - Agility (capability to make changes when needed)
  - Resilience (capability to respond to shocks caused by events)
- 2. Lifelines utilities should pursue relationships with central and local government.





Authored by: Roger Dennis, Wendy McGuinness and Rick Boven

Sponsored by: Z Energy Limited and Foodstuffs (NZ) Limited





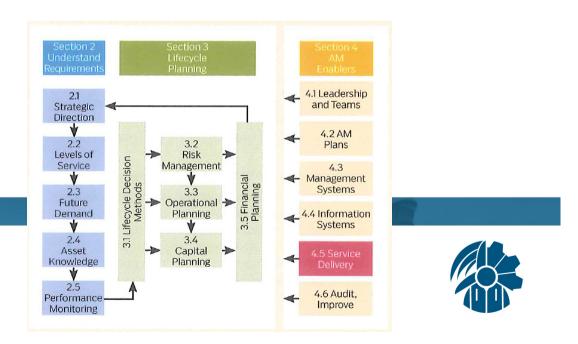
## **IIMM** Perspective

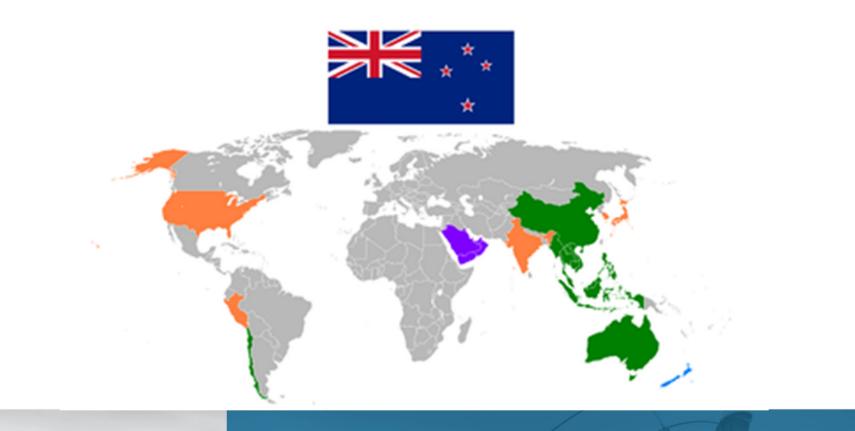
Supply Chain management features indirectly from different angles in the IIMM.





- Managing Risk Critical Assets, Resilience
- Operational Planning Operational Structures, Logistics
- Service Delivery Procuring and Managing Outsourcing Activities





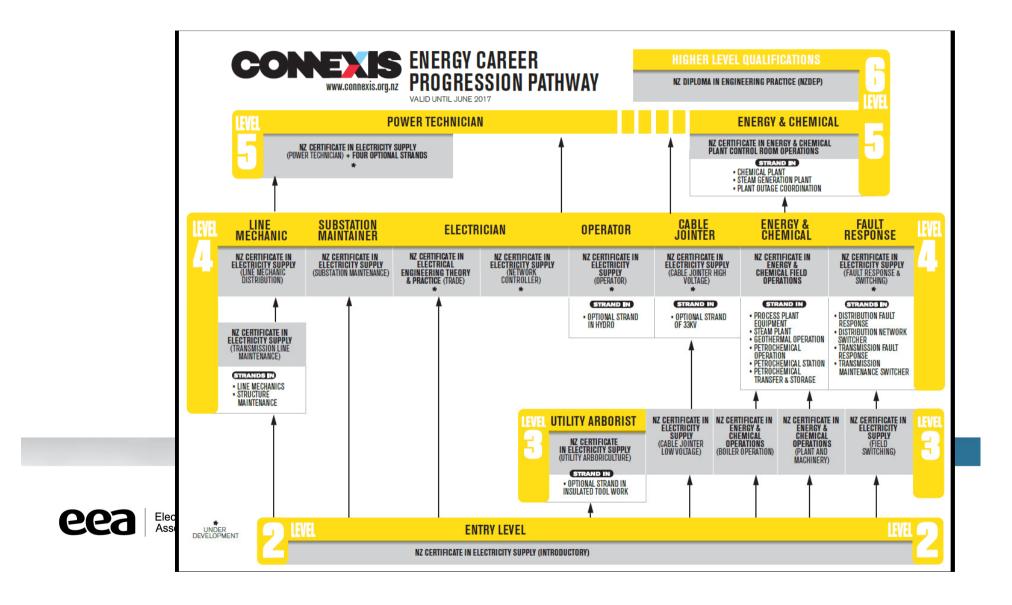


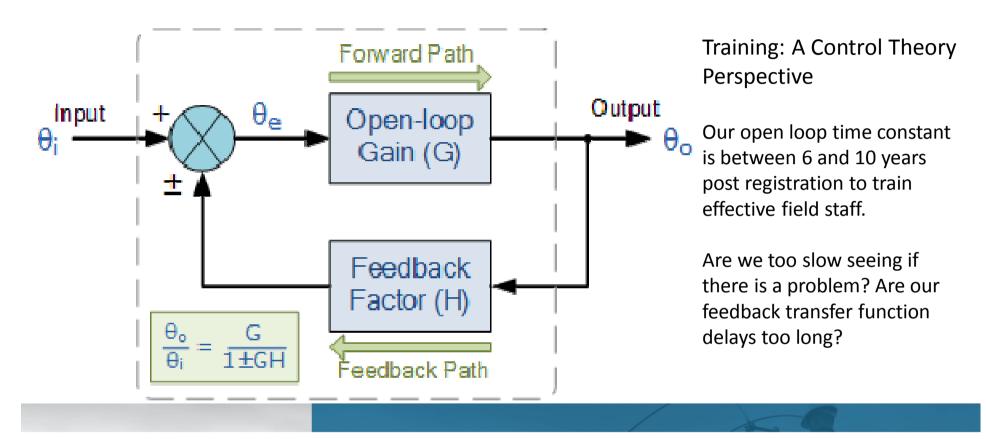




## Field Worker Resources











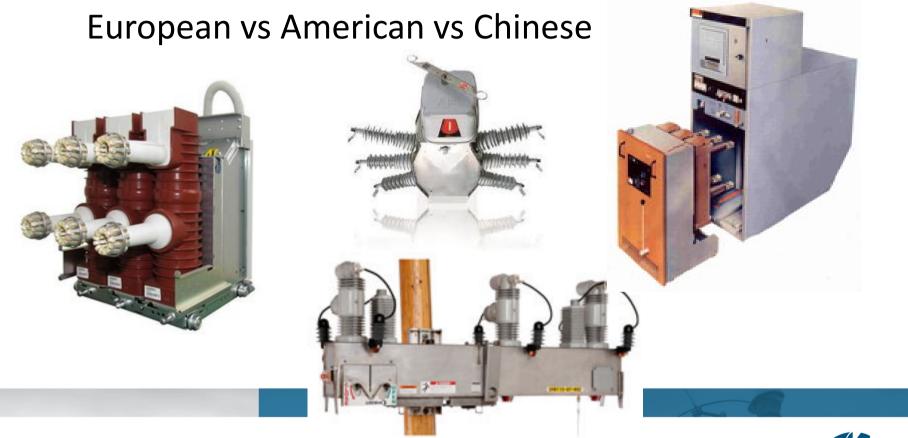
## New Plymouth factory jobs axed as production shifts to Vietnam (stuff.co.nz)





## **170 jobs go in General Cable factory closure** stuff.co.nz











## **Environmental Sustainability**



• rainforest sustainability certification?







Environmental exposure



Taken from the web, farbeyondcreative

## **Quality control**



- Do suppliers have the same control over quality in their supply chain?
- Are basic materials compatibility concepts being forgotten?
- Are we too focussed on price?
- Do we give our suppliers enough feedback about our quality expectations?





#### NZ Concrete Pole supply



Humes Hamilton & Greymouth

Invercargill

Stahlton Christchurch, Auckland





#### NZ Transformer Supply







ABB New Plymouth

Comfortable manufacturing duopoly no longer exists?





## NZ Cable Supply



# Mexans



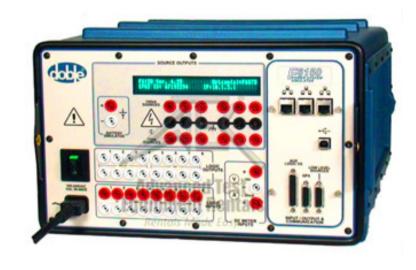




## Test Equipment

Procurement - consideration of testability and equipment needed for testing?

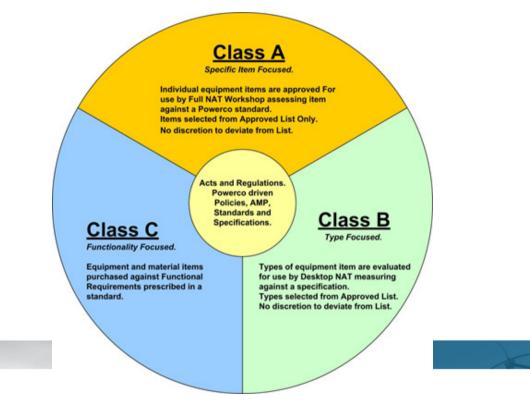








#### **Equipment Procurement Evaluation**







# Conclusions

- There are multiple perspectives for considering the wellbeing of our supply chains.
- The New Zealand manufacturing base appears to be becoming less diverse with notable recent plant closures.
- It will be interesting to see whether international manufacturers can serve our local industry as NZ manufacturers have.
- Evaluating the quality of procured materials is essential.
- Adequacy of personnel training provision is now becoming critical. Improving the numbers of trainees and quality of education will only be solvable with proper funding and wilful leadership.





## Discussion Questions (to be

reviewed)

In what areas do you see our existing supply chains facing stress? To what degree do we (or should we) support locally manufactured equipment?

What would happen if the equipment we use is not manufactured in New Zealand?

How can the problems associated with having well trained personnel be addressed effectively?



