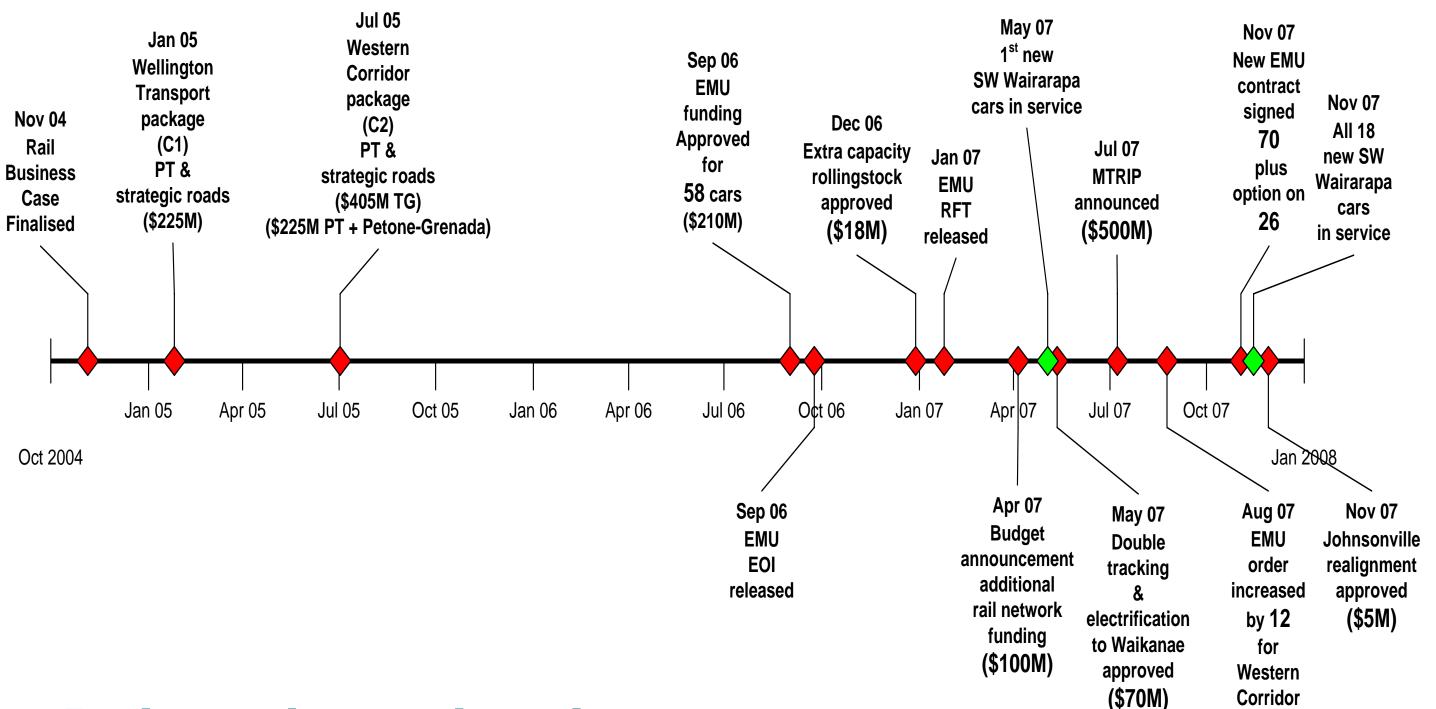


Contents

- Context & timeline
- Procurement Approach
- Learnings
- Progress







Rail projects timeline 2004 - 2008





Hyundai-Rotem / Mitsui EMUs + rail upgrade

Consists of two major components:

EMU Supply \$236m
 (GWRL – Hyundai-Rotem/Mitsui)

EMU Enabling Works + other \$276
 (GWRL – ONTRACK)





Wellington Rail Projects

NEW EMU PROJECTS

Supply 2010

Depot

Johnsonville Line Tunnels

> Station Upgrades

EMU ENABLING WORKS

WESTERN CORRIDOR PROJECTS

Double tracking and electrification Waikanae

Alignment improvements between North and South Junction

New and upgraded Kapiti Railway Stations

KCDC Western Link Rd

Transit NZ Kapiti State Highway Strategy

OTHER RAIL CORRIDOR PROJECTS

SW Wairarapa cars COMPLETE

SE Train w/ EO Locos

DM216 English Electric

Ferrymead English Electric

Catch-up Renewals

Kaiwharawhara Throat

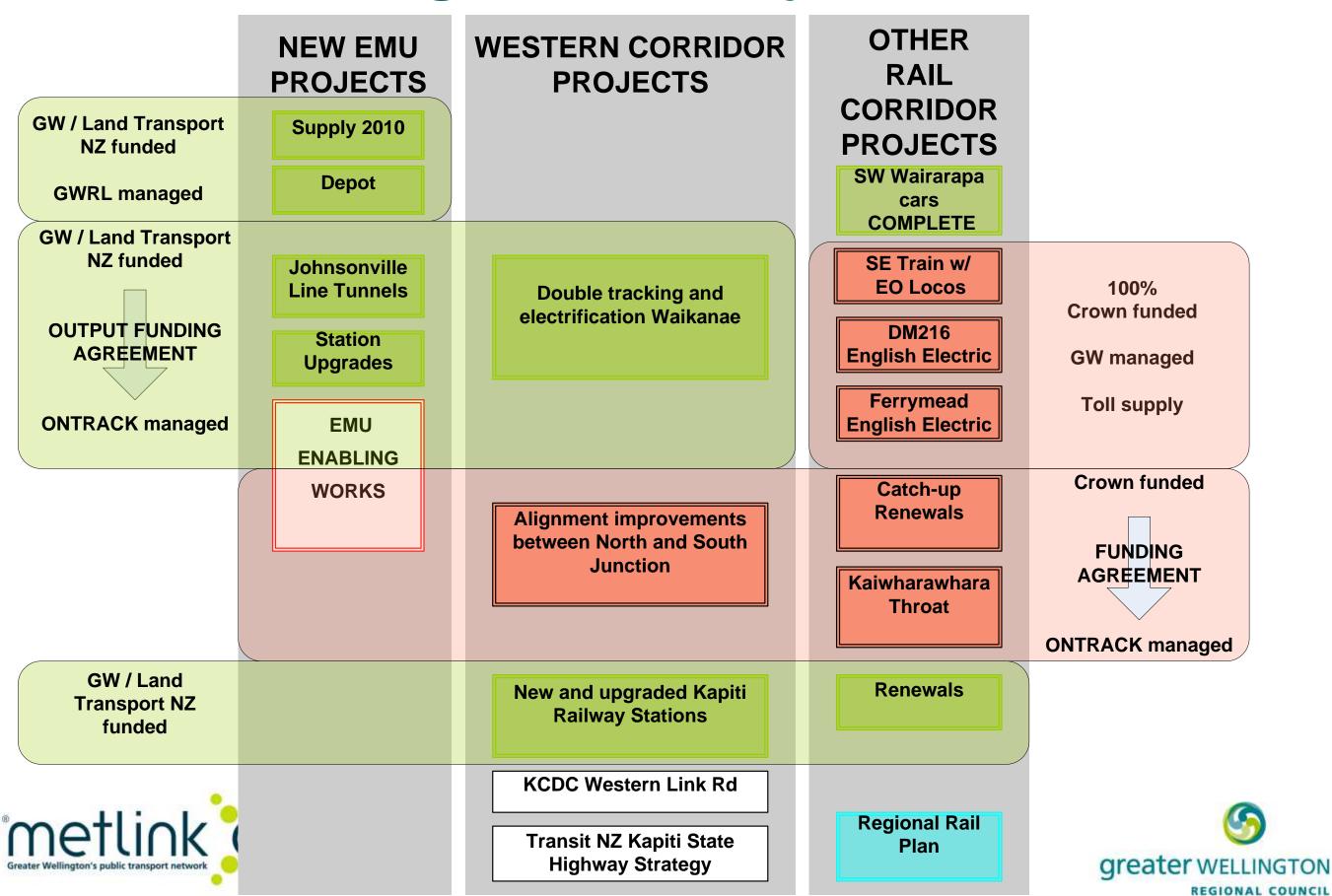
Renewals

Regional Rail Plan

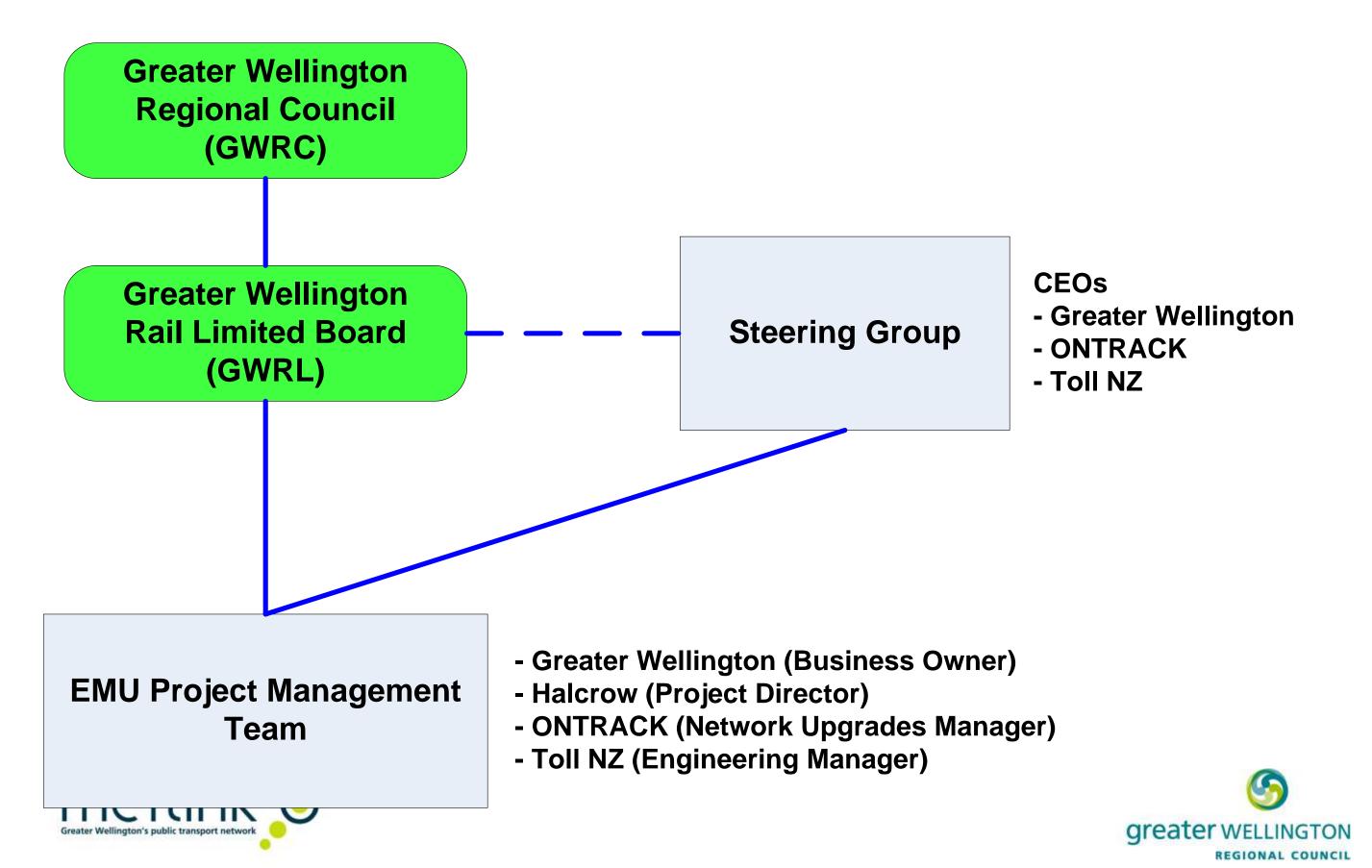


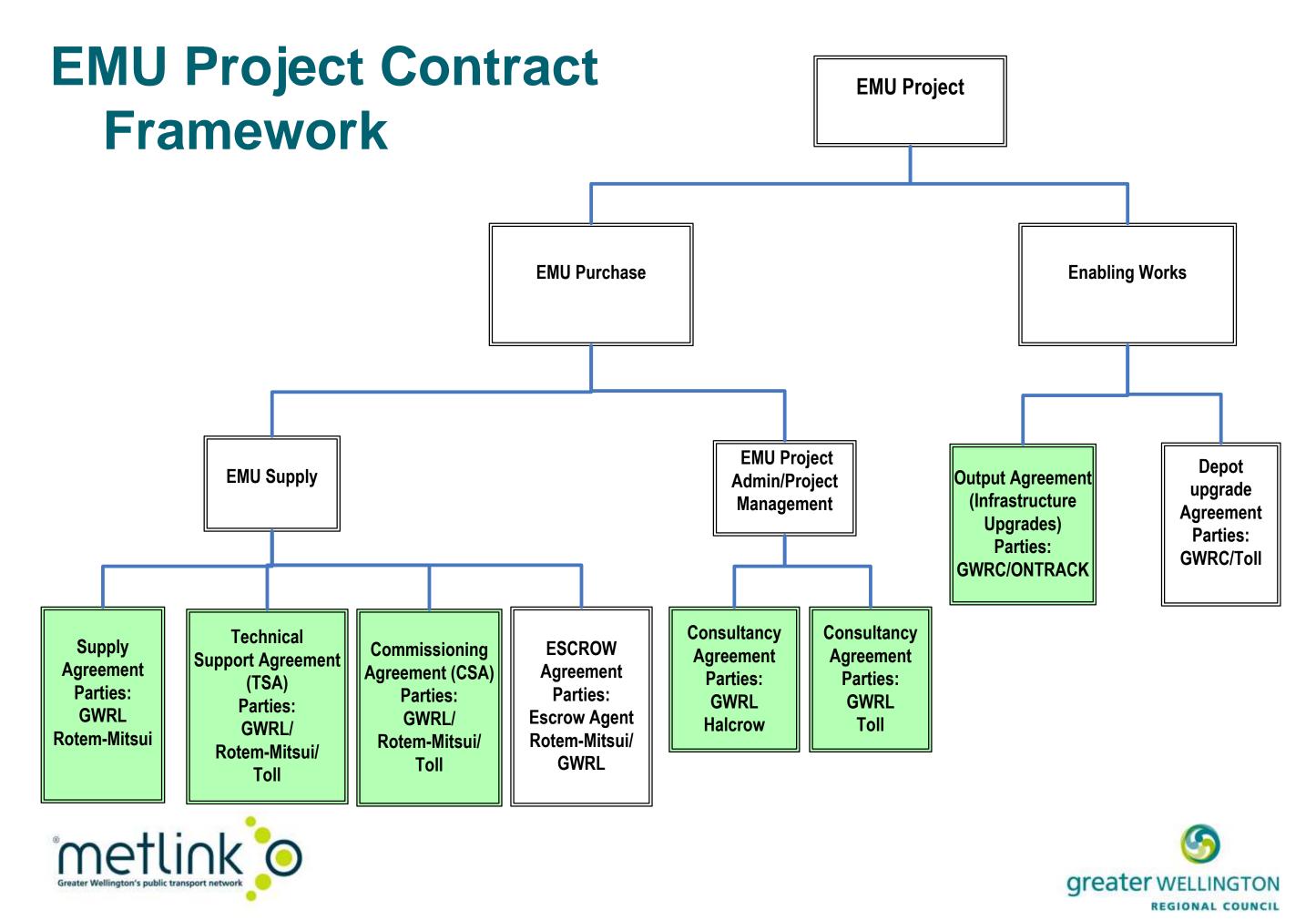


Wellington Rail Projects



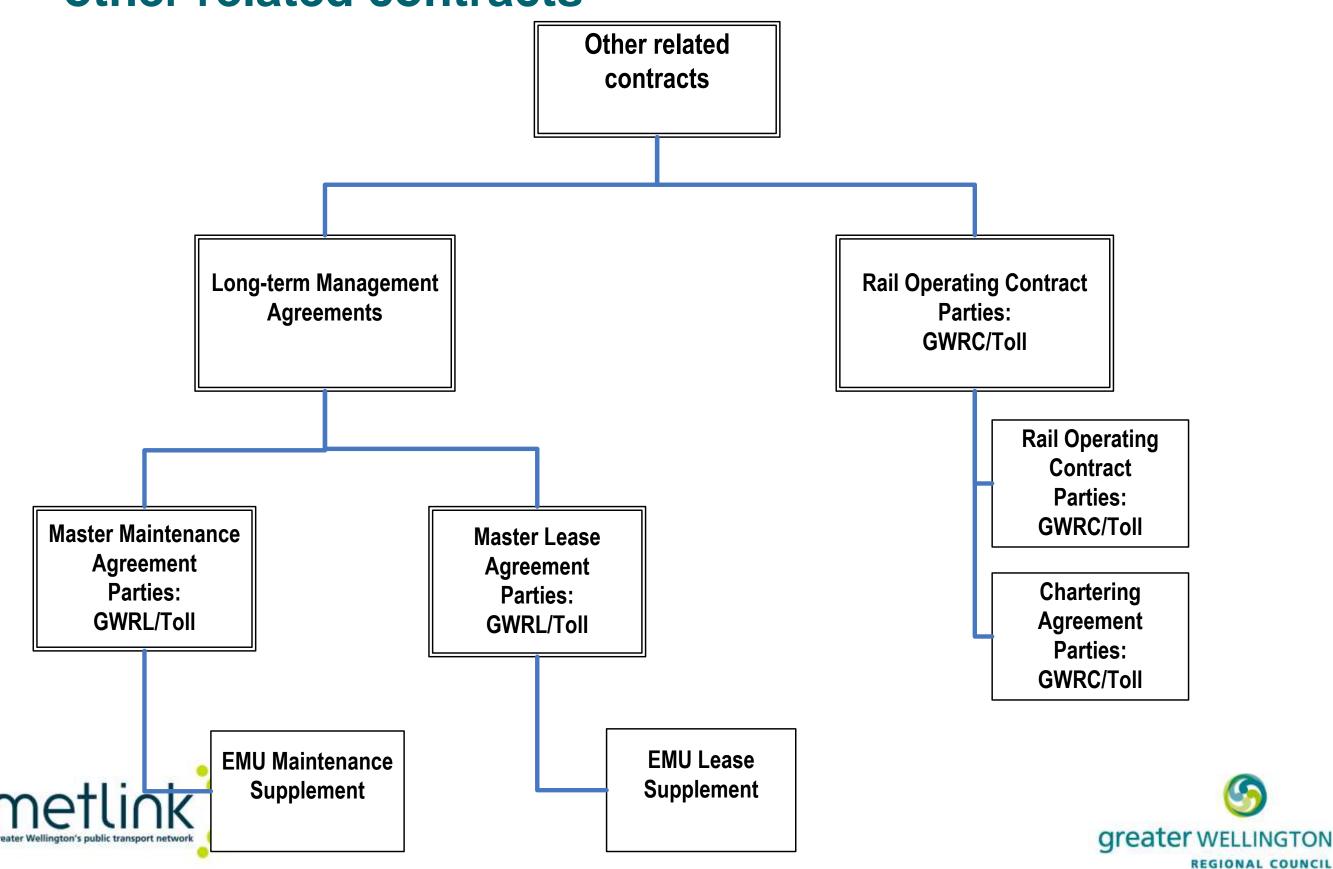
EMU Project Structure





EMU Project Contract Framework

- other related contracts



Hyundai-Rotem / Mitsui EMUs

EMU supply has 4 key phases:

- Project Mobilisation Mar 2008
- Design Phase Apr 2008 to…Jan 2010
- Procurement Apr 2008 to Jun 2010
- Manufacture, Testing & Delivery Jun 2009 to Dec 2011





Matangi vs. Network

Nice modern train



J'ville tunnels too small

Stations shoddy / platforms too random

Not enough overhead power

One third of track circuits allergic

Depot too old





EMU Enabling Works

- Rundown network is a key risk for current services
- Significant works to improve reliability, frequency and ensure smooth introduction and operation of new trains
- GW & Crown jointly funding enabling works \$129m





EMU Enabling Works

- Management of Enabling Works and associated risks are highest priority for joint stakeholder team
- Key mitigation is the focus on project issues where decisions by one stakeholder significantly impact others
- Risk process ensures joint stakeholder resources are focused as required





McKays to Waikanae

- May/June disproportionate amount of heavy rain – has slowed progress
- Target remains post Wellington Anniversary weekend 2011
- Stations will be ready in time for double track opening





Station Entry

- All physical work track, OHLS etc complete
- Remaining task to cut across new signalling around A Box (just north of platforms) and
- Complete switchover last weekend
- More gradual implementation of operational advantages





Transition-In

- Steering Group
- Depot Group
- Vehicle Group
- Communications Group
- Infrastructure Group
- Operations Group
 - Timetable Group





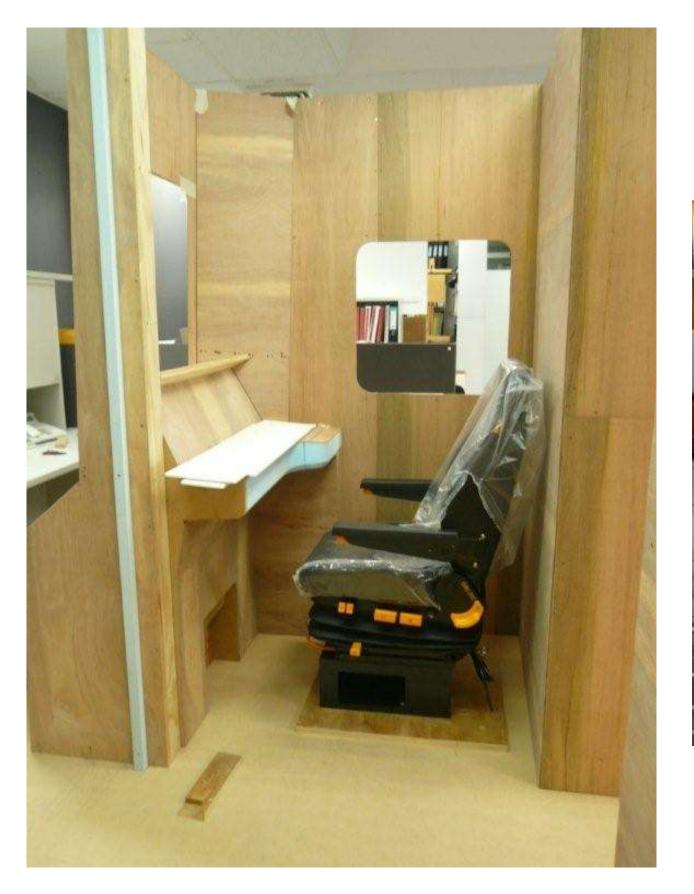
Lessons so far....

- Robust tender
- Performance Output
- Strong contract...
- Make change
- PD experience
- Single point accountability

- Onsite mgmt
- Cultural PM
- PM focus in contract
- User groups early



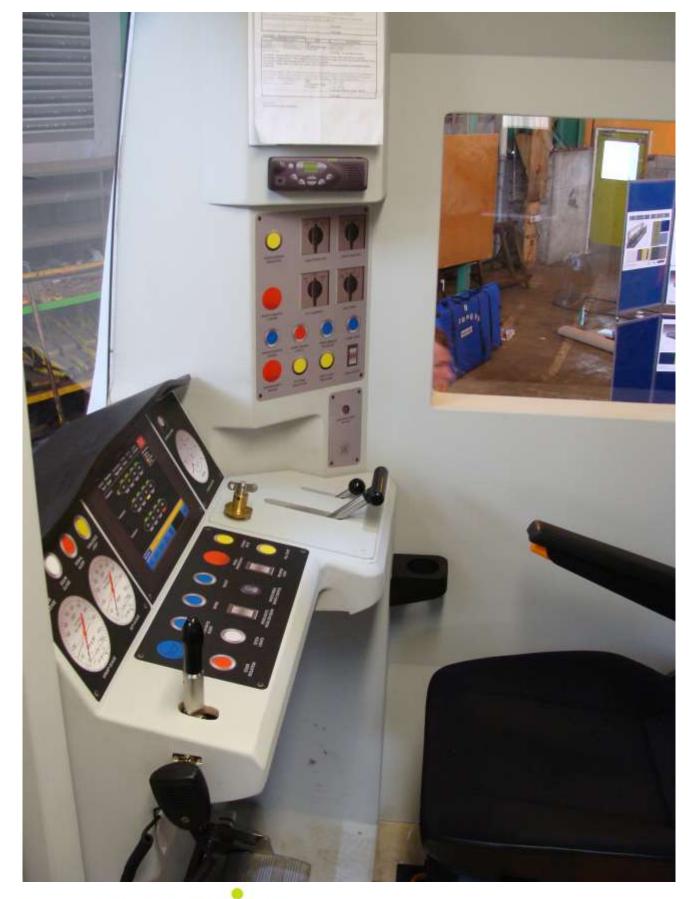
























Accessibility









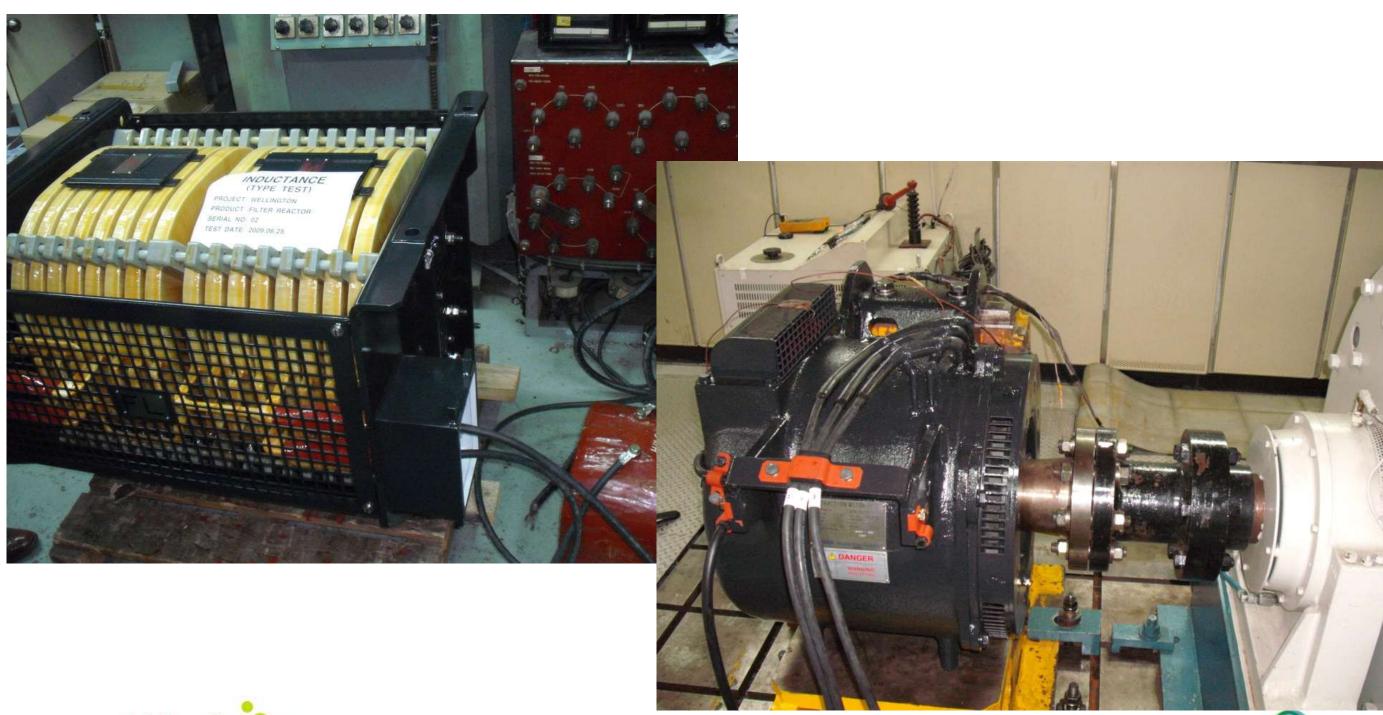
Saloon Layouts (Bicycles)







Type Testing







Type Testing

New Zealand Wellington EMU Matangi TYPE TEST OF VVVF INVERTER Visual Inspection









