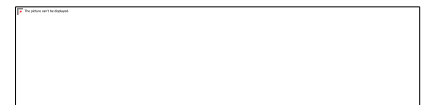


# Rolling Stock & Support Equipment (RSSE)

## Stadler Diesel Multiple Units (DMUs)

- Propulsion Control Unit Replacement



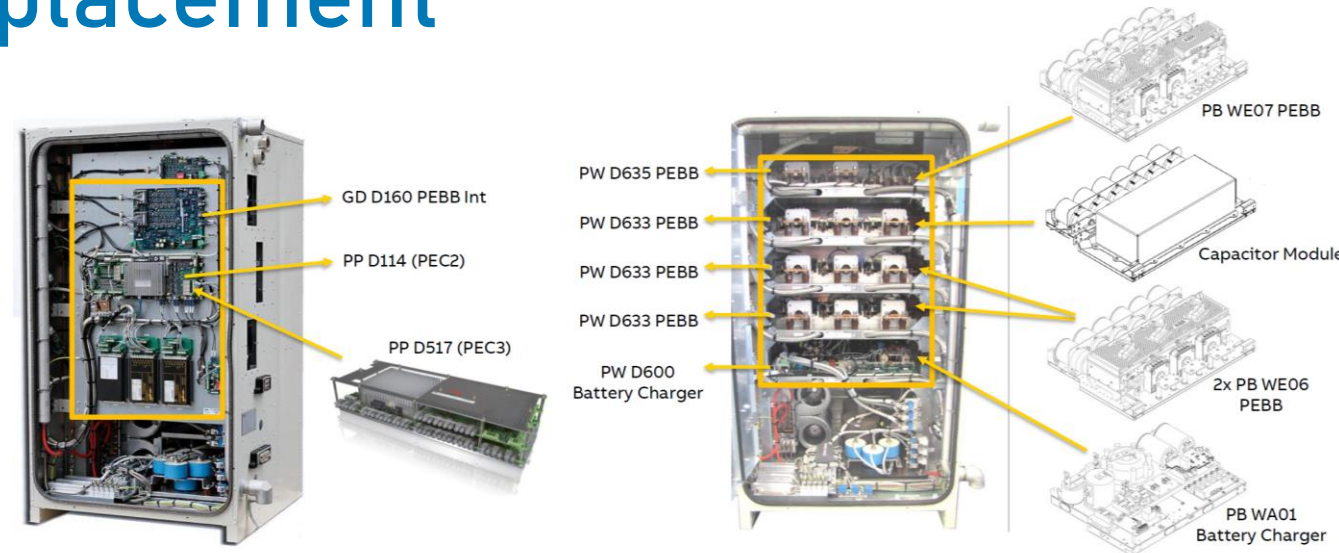
# Propulsion Control Unit Replacement

## Scope of Work

- Upgrade of Propulsion control units for Stadler GTW – Six (6) Gen 1 Series (FY2026 – FY2027)
- Budget - \$3,140,192
- Procurement method/ Project Timeline
  - Sole Source (Asea Brown Boveri - ABB)
  - FY26-27
- Coordination with Rail Operations team to ensure solution aligns with DMU expected lifecycle.

## Strategic Plan Alignment

- Aligns with SP2030
  - Action 1.1 - Increase CapMetro's service reliability by implementing a comprehensive reliability strategy.
  - Action 2.4 - Continue to implement the Sustainability Vision Plan while exploring different paths and technologies of choice to achieve sustainability goals.
  - Action 4.1 Develop and implement a prioritization methodology for state of good repair to inform investments and safety enhancements



- The generation 2 Power Electronics Controllers (PEC2) and Power Electronics Building Blocks (PEBB) were developed in 1998 and are now obsolete, mainly due to electronic sub-supplier products

- Replacement of Power Modules
- Replacement of Charger Module
- Replacement of the Power Electronics Controllers (PEC2)
- Replacement of the Power Electronics Building Blocks (PEBB)
- Wiring changes mainly on control frame + optical connections to power modules
- Replacement of the Capacitor Module
- Software upgrade for new controller

