**Objective:**

To implement the passive soft-switching snubber and isolated dc-dc converter technologies into the auxiliary power supply of Metro vehicle.

**System Configuration:**

![System Configuration Diagram]

**Feature and goals:**

- High efficiency (> 90% with unbalanced and balanced load) with passive soft-switching snubber circuit;
- Low cost, low acoustic noise and smaller size with high frequency isolated dc-dc converter;
- High power quality and good response for load dynamics;
- Minimum maintenance with forced air cooling.