

## b. EV Charging Infrastructure Construction and Maintenance

On the other hand, the wide availability of EV Charging Infrastructure nationwide is vital to support the adoption of EVs and to support domestic charging needs at steady-state. EV infrastructure such as charging points will need to be constructed and maintained regularly over the long term.

EV charging points will undergo the installation, operation and maintenance, and replacement or decommissioning lifecycle. Site works in general will include mechanical and electrical installations (including cable pulling and termination) with some sites requiring civil structural works such as those in bus depots (e.g. excavation works). Thereafter, routine maintenance and servicing will be conducted to comply to technical standards for charging points and to ensure the proper function and safety. An example of such an emerging role is the EV Charger Equipment Specialist. Supporting electrical infrastructure such as consumer switch rooms and substations will also need to be upgraded to provide for sufficient electrical capacity to support the installation of EV chargers.

The relevant skills required to perform these tasks include charging infrastructure maintenance, high voltage system maintenance and others, with the illustrative persona for EV Charging Infrastructure Electrician provided in Figure 15.

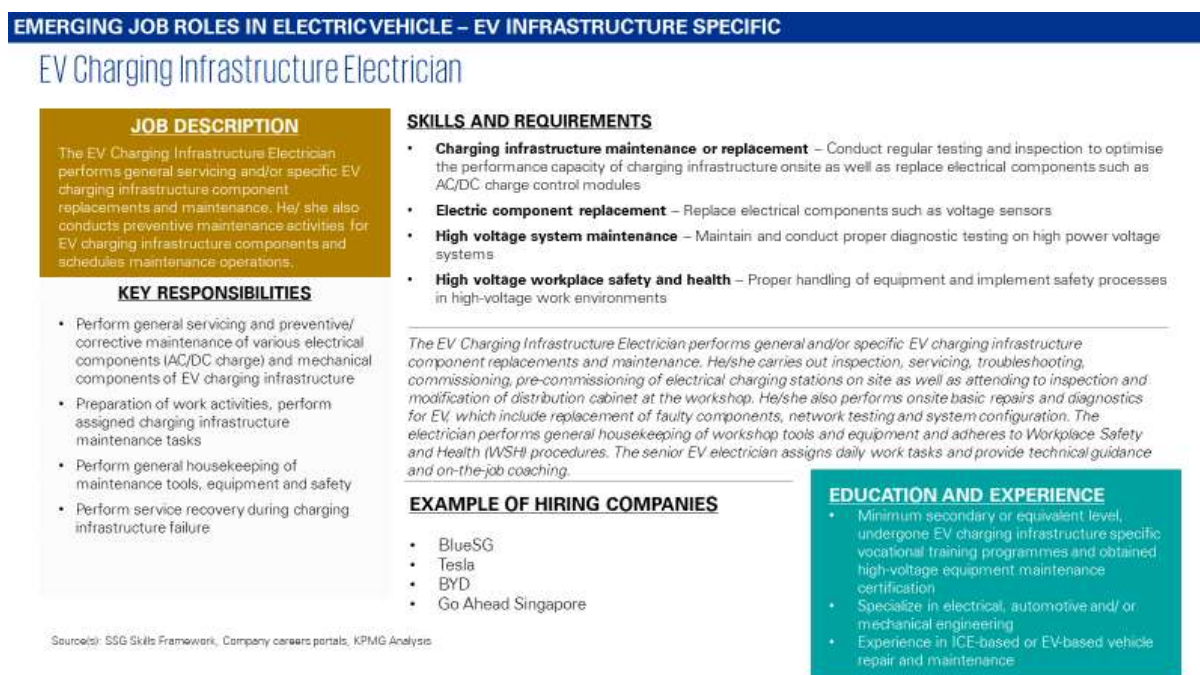


Figure 15: EV Charging Infrastructure Electrician Persona

These emerging job roles may be employed by bus operators, P2P fleet operators, motor workshop companies, OEMs and other land transport technology providers.