

Shore Supplies

Emeg has been designing, installing and maintaining train shore supply systems for over 20 years.

Shore supplies are required when there is a requirement to stable diesel trains at a depot or sidings for the purpose of carrying out routine servicing and maintenance. Generally, this operation is carried out when the train is not in use, during night-time hours, as it is not acceptable to have the trains powered by their diesel engines when stabled as this would create unacceptable noise and exhaust pollution.

In order to provide the mechanical and electrical services on the train to enable cleaning operations, the train can be plugged into the primary electrical network via a shore supply rather than running trains throughout the night; reducing noise and environmental pollution.

Emeg provide shore supplies to suit a variety of rolling stock applications, including 400V triple pole and 850V double pole. Shore supplies use an I.T. earthing arrangement so the main LV electrical supply for the system has to be derived from a dedicated shore supply MV to LV transformer.

The primary components of an Emeg shore supply system comprise:

- An IT MV/LV transformer
- Main LV shore supply switchboard
- Ground box complete with lead and plug set to suit specific rolling stock
- Lineside control pillar

Emeg can also adapt and re-configure existing shore supply systems to allow multiple different rolling stock to be stabled to allow maximum flexibility for depot operations.

Features & Benefits:

- Flexible and adaptable for a number of different rolling stock applications
- Robust and safe
- Range of shore supply voltages available
- Reduction in rolling stock noise and environmental pollution
- Range of ground box mounting applications to suit installation environment
- Suitable for installation in an outdoor environment



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