Works to be completed by the client before installation of a Calematic® system

- Delivery of the pits:

  Each pit weighs 1.25 T (See pit installation manual for unloading procedure).

  - The pits are unloaded under the responsibility of the company designated by the prime contractor, project owner or client. In general, responsibility for unloading falls under the structural systems or utilities items of the contract.
    The pit delivery date must be confirmed by the client at least 2 weeks in advance.

- Installation of the pits:

  - Excavation of ditches for the pits (see Calematic pits layout plan).
  - Pouring of concrete to cover the base of the pit. The base must be able to take a design load of 20 tonnes/m² (see pit installation manual).
  - Pit to be placed on the concrete base: the upper part of the pit must be aligned with the final ground level. The base of the pit must be 330mm below the final ground level (see Calematic pits layout plan).
  - Connection of the bases of each pit to the storm drain system.
  - 80mm (minimum) technical duct connecting the pit to the leveller control unit inside the building and a link-up duct between the two pits of each loading bay.
  - Cement all four sides of the pit (protect the pit interior during this procedure).

- Compressed air and electricity requirements for each loading bay:

  The interior compressed air link-up for the loading bay must meet the following specifications:

  - Height: 1.5m next to leveller control unit for existing loading bays, and on the left-side for new-built,
  - Non-return valve before the isolation valve,
  - Isolation valve with down-stream escape to atmosphere,
  - Isolation valve output via 6mm diameter quick connector,
  - Air quality:
    - DRY air (-10°C),
    - 6 to 10 bars,
    - 80l/h at 6 bars,
    - Tube section for air distribution suitable for the number of loading bays,
    - Dew point below or equal to -10°C.

- Compressed air production requirements:

  A compressor pressure loss signal via a low pressure alarm pressure switch.

  - Recommendations:
    - **Consult a compressor and air distribution specialist,**
    - The compressor room must be frost-protected,
    - The air production must have a back-up to ensure that the loading bays remain active,
    - Install upper and lower ventilation grids in the compressor room, dimensions to be decided with the supplier.

- For the traffic light or vehicle presence detector option:

  Mains power supply to the loading bay: 230 V-10 A.