



Development

Field testing of the original design ensured that the design could be as efficient and effective as possible.

Key Features

The addition of a telescopic inner mast allows the design to rise when the assembly reaches over 1m. Guide rods are also fitted on each side of the equipment to transfer the load and assist in the smooth operation of the design.

Key Benefits

The automatic system does not require labour to extend the mast. The whole system is simple to use, more efficient and effective as well as low maintenance.



Idea

JNDC were approached with a problem associated with the original pile driver equipment that only bores holes to 1 m. The initial idea involved the development of a concept to allow an increased vertical travel to 2m, an increase in the driving force of the equipment along with a review of the overall design to increase reliability and to reduce complexity.

Solution

The key features of the new design incorporated an automatic raising mast, as well as a centralised chain drive system to increase the driving force of the equipment and allow a 2m capability for bore holes.

