

Hoof Lopper Interlock

Teys Australia

The Customer:

The Teys family has been involved in the Australian beef industry since 1946, when four Teys Brothers formed a partnership that was involved in wholesaling and retailing meat in South East Queensland. From these humble beginnings, the family has grown its business to become the second largest meat processor and exporter in Australia. Teys family members remain closely involved with the day-to-day operations of the Company and strong family values underpin a reputation that is second to none.

The Requirement:

The Hoof Lopper is an essential tool in processing carcasses in the abattoir. However this tool can only be operated by trained and authorised workers due to safety requirements of such a powerful tool. The client enlisted UMD to design and implement a solution so that only authorised workers are able to use this tool.

The Solution:

Using the RFU630 it was possible for UMD to program a list of authorized UHF RFID Tags into the reader in such a way that the reader will only activate an interlock output when one of these authorized tags enters the RFU630's read envelope. When the authorized worker leaves the work area this active output is automatically turned off after a short period of time.



The Outcomes

The implementation of the RFU630 into this environment was the best available solution as it provided a single part reader/antenna solution that worked autonomously while both being mounted out of the way. This ensured negligible impact on the work flow process while allowing the device to be hosed down as required with its IP66 rated Environmental sealing. The Hoof Lopper is now able to be operated correctly as required in normal line processing, while preventing it from being used in an inappropriate or unsafe manner outside of these requirements.

