BEST PRACTICE

LOCATION:	**Depot**	**ARTICLE YEAR**	**2022**
ACTIVITY:	**Access & Egress & Working at Height**	**COMPANY:**	**Lhoist**
SUB ACTIVITY:	**N/A**	**COMPANY LOCATION:**	**Whitwell Works**
BEST PRACTICE No:	**BP2178**	**COMPANY TEL:**	**Lhoist**
COUNTRY OF ORIGIN:			

TITLE

LOTOTO demonstration training aid

ARTICLE

Highly Commended

The Electrical department at Whitwell Works wanted to create a training tool to allow relevant employees the opportunity to practice fault finding on invertors, motors, local isolators and control circuits. The electrical apprentice began developing a mock electrical motor circuit display with an invertor, this allowed a practical method to fault find which proved very useful when out in the field.

The training board later evolved into a LOTOTO training aid with the addition of isolators, pull cords etc. This has now become a part of the site training tool for LOTOTO.

Spare electrical equipment was used to develop the training board in such a way to mimic electrical motor circuits out on site. This became a project that the electrical apprentice used for their college course work to demonstrate working competency of installing and working with electrical circuits.

As part of the development of this course work, the department decided to involve all electrical technicians to give greater awareness of emergency stop functions on machinery/conveyors etc. De-energising features on the board were designed to demonstrate how circuits work when they appear to be in full working order but are faulty. This allows the trainee to apply the LOTOTO method.

Once the training board was completed it was tested from the incoming 110 & 415 supplies all the through the panel to the motor.

The electrical supervisor supported the project by giving guidance, time, and mentorship to progress to completion.

Please see **additional pdf** for more information and images

ARTICLE IMAGES