



BQT SOLUTIONS CASE STUDY

SOLVING MISALIGNMENT IN HOSPITALS - YD30

Objectives

A local New Zealand hospital needed a reliable lock throughout their facility that could align and secure misaligned doors to ensure secure access control. With their locking needs in mind, the search for a reliable, secure lock to install throughout their site began.

Challenges

Being one of the busiest hospitals in a major city, the client needed a lock that would work continually in a high traffic environment. Moreover, they needed a lock to solve misalignment, secure double acting doors, and release under sideload pressure when requested in an emergency situation.

Solutions

The YD30, also known as the Cobalt, is a revolutionary low voltage motor-driven door lock for 180° swing doors. It has been designed to secure double acting doors and addresses the two biggest issues for indoor locking; the ability to align a misaligned door and the ability to release when requested, even with excessive load on the door, making the Cobalt an ideal lock for their needs.

PRODUCT BENEFITS

Benefit One

Misalignment is a common problem traditional solenoid locks cannot solve. The Cobalt lock will align a door that has trouble closing, misalignment of $\pm 8\text{mm}$ is automatically corrected.

Benefit Two

The Cobalt lock will release open under sideload pressure when requested to ensure the lock is functional even when external forces are at play.

Benefit Three

With user-selectable fail-safe and fail-secure modes, and multiple attempts to lock or unlock, the Cobalt is ready for a wide range of application requirements and can be integrated with many access control or alarm systems.

BQT Solutions is a specialist in the development, manufacture and supply of high quality, high security card and biometric readers, electromechanical locks and related electronic security products. Providing high security solutions to verticals including Airports, Healthcare, Corrections, Education, and Government for over 35 years.

Innovating today for a more secure tomorrow

© 2022 BQT Solutions (NZ) Ltd,
An AVA Group Company.