

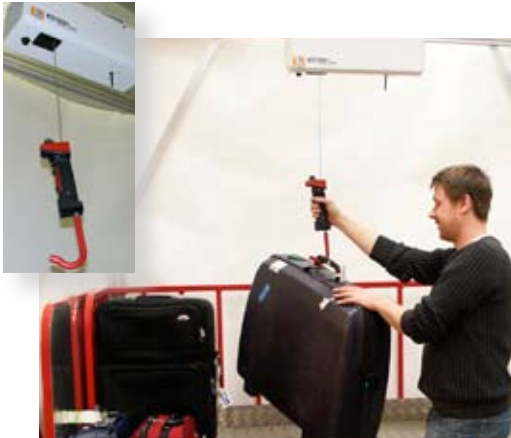


EBL Systems' business idea is to assist its customers in minimizing staff costs for absence and down time caused by injuries and heavy wear on human bodies. Thanks to the connectBlue solution, the cable coil can now be reduced.

Reference Application

Wireless I/O functionality for increased ergonomics

Swedish company EBL Systems AB is a supplier of ergonomic baggage and industrial material handling systems. The system minimize staff costs for absence caused by injuries and heavy wear on staff as well as down time caused by frequent maintenance of the cable coil.



Reducing the cable coil means a larger amount of flexibility for the operator in terms of both height and distance and in addition no repair costs for the cable coil.

Wireless replaces the cable coil

EBL Systems AB are using the Bluetooth I/O Module in order to replace the cable coil between the baggage crane and the manual remote control unit. The wireless solution brings a number of advantages such as reduced hardware, lower maintenance and repair costs for the cable coil. In addition, the solution provides a larger amount of flexibility for the operator. EBL Systems offer electrical as well as pneumatic driven systems.

Increased flexibility

The Bluetooth I/O Module is a new standard product from connectBlue based on the Bluetooth Serial Port Adapter. The I/O functionality

is implemented using a protocol on top of the Bluetooth Serial Port Profile (SPP).

"Some of the key benefits are increased flexibility for the crane operators in terms of height and distance to the crane," said Kjell Andreasson, President at EBL Systems AB.

Bluetooth I/O features

- 12 digital in- and output signals
- Latency at only 5-10 ms
- Long range or short range versions
- Internal or external antenna
- UART or RS232 interface
- Different connector options
- Configurable sample and filter time
- Link supervisory and I/O failsafe
- Bluetooth Qualified and radio approved
- Compliant with EMC, safety and medical standards



Some of the features of the Bluetooth I/O Module include short latency and up to 12 digital in- and output signals.

About connectBlue

connectBlue is a leading provider of wireless solutions for demanding applications in segments like industrial automation, medical, instrumentation, diagnostics, logistics / transportation, vehicles and point of sales. Based on Bluetooth technology WLAN and 802.15.4, connectBlue provides ready-to-use products and OEM modules as well as custom design solutions in both hardware and software. www.connectblue.com

connectBlue

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