WICREATIONS

WIMOTION

HARDWARE

WI

HARDWARE PART 1

WI-DESK

The motion operator can 'joystick' the device or objects into position, using the all-new WI-Desk with its touch screen enabled userinterface, running our proprietary control software.

The WI-desk has an integrated 'Hold to Run' function, so the operator can safely leave the desk with no risk of accidents or unwanted interference. The Art-Net in functionality allows to talk to lighting consoles plus integrated SIL3 E-stop and a DMH module.

Run the WIMOTION app from your laptop or pc

For smaller motion configurations or inter-mediary motion controlling operations, a WI-Desk Lite or WI-pad might be an option.

WI-SERVER

The WI-Server is optional for any configuration as a back-up or for extra processing power.
The server application links to other external devices such as a lighting desk (via Art-Net) or a media server for PosiStageNet.

A WI-Server Lite version is also available.

WI-ES COMMANDER

The WI-ES Commander connects all devices to 1 Network (Data & Safety). Adding the WI-ESC to a configuration offers DMH control in groups, or in a global set-up. The ESC allows 2 Main inputs (Desk 1 and 2) and 2 Group inputs (Group 1 and 2). Group inputs can be global, local or local-local.
The ESC manages both motion data and safety over separately cabled paths.

Global Preset
Directs safety of all devices of the global configuration (both E-stop and DMH)

Local Preset
Allows a group function by adding a Spotter to the motion configuration who holds a DMH Grip and automatically signs for clearance to the WI-Desk by pressing it.

Local-Local Preset
Allows over ruling the DMH. Instead of giving a Run or Hold-to-Run cue, the Spotter-Operator can steer the device from his WI-pad or WI-laptop.

WI-ES DISTRIBUTOR

The WI-ESD links up to 7 WI-Controllers and assures the network of the Motion Configuration at SIL3 level.

WI CONTROLLER

4 different types of variable speed drives have initially been developed to run with the WIMOTION system, with the typical one being the VSD-HO for hoists. Currently they are available in capacities from 1,5 – 4kw, with larger sizes available on request.

There are 2 multi functional VSD-MU drive alternatives – SIL3 and SIL3+ that can be supplied according to the needs and flexibility of a project's SIL3 settings. The SIL3+ alternative has the extra capability to read several controllers through a PLC.

All controllers are available from WIMOTION rental stock, equipped with SIL3, SLS and SLA options allowing the movement of people or objects above crowds.

I/O SOLUTIONS

A WIMOTION configuration can be connected to all sorts of other devices through I/O boxes. The I/O box is a possible gateway to any other electrical or mechanical device added to a WIMOTION configuration.

THINGS TO KEEP IN MIND

E-stops and Dead-Man's-Handles are widely known obligatory industry functions in devices in general and create a genuine feeling of 'safety' Pushing the E-stop usually generates a Show Stop scenario.

Releasing a Dead-Man's-Handle is a safe gentle stop. Dead-Man's-Handles are a safe automated way of communication in the operator's team.

The outcome is a clear state of GO or NO GO for motion. Pushing or releasing a Dead-Man's-Handle implies a Run or Halt of the motion devices, avoiding the need for human language intercom interpretation or unfortunate misunderstandings. In short: if the Dead-Man's-Handle is not pushed by the Spotter on stage, invisible to the motion operator, the operator will not be able to launch the act. Until this point, it's all basic maths.

| Lets move to level 2.

When configuring complex motion acts, safety management becomes more complex and the WI-ESC can bring an extra dimension to the safety level. Here's an example: let's assume we are working in a XXL configuration with the potential for up to 588 connected devices. You are looking at a decent amount to manage for 1 operator in the FOH. You're bringing in 2 Spotters-Operators to manage 2 elevators. They both have WI-Pads and the WI-ES Commander has been set to Local-Local mode.

The FOH motion operator launches the cue for motion and if the 2 Spotters-Operators pressed their DMH and confirmed the Run, the elevators will start motion. After the elevators have gone up and the artist is out, the Spotter-Operators can overrule the DMH and lower the elevator at their own judgement. This leaves the FOH motion operator to his other ongoing show tasks.

HARDWARE PART 2

SYSTEM & DEVICES

All WI-Hoists, WI-Elevators, WI-Bands, WI-Tracks, WI-Rotators, WI-Winches and more... tracking, hydraulics,...

Each and every one of them comes with CE conformity and a comprehensive user manual.

> Every piece of machinery that makes things or people or scenery move

- Silent
- True ZERO-SPEED
- Dual Encoder
- Integrated loadcell
- Dual silent brakes–Monitored
- 4 limit switches
- Temperature monitoring
- Hoists ID Technology
- Intelligent Duty Cycle Management
- Capacity from 200kg–2000kg
- Speeds up to 640mm/s or 38m/min
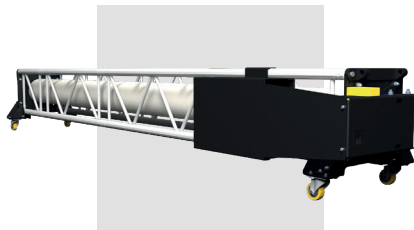- SIL3

ALL SYSTEMS AND DEVICES

HOISTS

BAND WINCHES

WINCHES

ROLLDROPS

TRACKS

ELEVATORS

ROTATORS

ROTATING BRIDGES

TURNTABLES
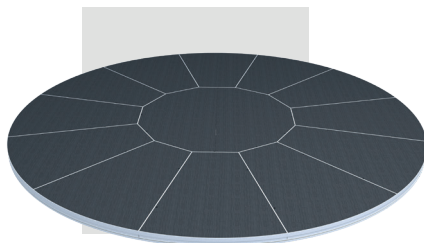
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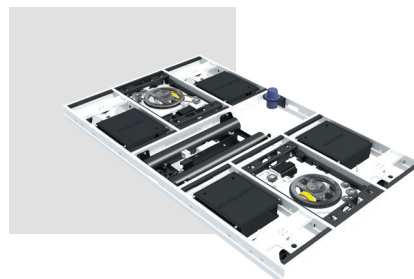
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to get an overview on our wide range
of upper stage and lower stage devices,
solutions and packs.