• Door Interlocking Systems
• For Cleanroom Environments
• Presented by Keith Wilson, August 2018
Presentation Outline

- Who Are Critical Scientific Solutions
- Who are YDG SA
- Why Interlocking Systems
- Q & A
Keith Wilson
Sales Manager Australia and New Zealand

Keith has over 30 Years’ experience within the Pharmaceutical, Medical Device and associated Cleanroom/Sterile Facility space, predominantly within the Consumable and specialist Services market.

His is responsible for all Sales and Marketing activities throughout Australia and New Zealand.
Established in July 2000, Critical Certification has grown to be one of the most respected leading Decontamination and NATA Accredited Certification Specialists’ in Australia and New Zealand.

Critical Scientific Solutions Pty Ltd was established in July 2016, to Operate alongside Critical Certification, a NATA accredited testing laboratory for Controlled Environments, and to market our unique range of Clean Room Products.

Both organisation’s offer full technical and service requirements for Pharmaceutical, Medical Device and associated Controlled and Life Science Environments.

Member of IPSE Australian Affiliate.
Member of RACI – Pharmaceutical Science Group.
Member of CAPSIG – Pharmaceutical and Cosmetic Special Interest Group.
ANZ Sterile Services Association.
ANZ Medical Device Association.
Products and Services
To include but not limited to:

- Pharmaceutical Isolators Sales, Service and Installation.
- Sterile Consumable Products to include disinfectants, garments, gloves and wipers.
- Refurbished Biological Safety Cabinets Sales, Service and Installation.
- Particle Measuring Systems and Associated Consumable Products.
- Certification Testing for Facilities, and Associated Equipment.
- Decontamination of Facilities and Associated Equipment.
- Installation and Testing of HEPA Filtration Systems.
- Consultancy Services in all aspects of Cleanroom design for Pharmaceutical Sterile Facilities to include critical air handling systems. We work closely with 3rd party Cleanroom design engineers and Architects.
- Blow Fill Seal Production Equipment.
- Visual Audio Hygiene Systems.
- Aseptic Vial Filling Line.
- Facility Door and Pass Through Interlocking Systems.
- Pharmaceutical Production Filling Needles and associated products.
- Depyrogenation Oven and Tray Dryers.
- Pharmaceutical Washing/Cleaning Systems.
Exclusive Agencies

- UK Based Envair Pharmaceutical Isolators and Down Flow Booths and Associated Consumable Products.
- MPA Technical Devices.
- US Based Particle Measuring Systems (PMS) a Global Inventor and Supplier of Contamination Monitoring Equipment and associated Consumable Products.
- KM Sterile Wipers.
- Bioclean Cleanroom Consumable Product Range.
- Ansell Cleanroom Gloves.
- Ansell/Microguard Sterile Garments.
- Revox Sterilisation Technologies.
- Steris Decontamination Service and Equipment.
- Contec Hard Surface disinfectant and cleaning products.
- Steris Hard Surface Disinfectant.
- Lytzen Range of Depyrogenation Oven and Tray Dryers.
- Alpha Phoenix Pharma Washers.
- YDG Innovative Cleanroom Facility Interlocking System.
- Tofflon Aseptic Vial Filling Manufacturer.
- Weiler Engineering Blow Fill Seal Equipment Manufacturer.
YDG SA is your partner for door interlocking systems for Cleanroom Environments
Why do you need YDG SA solutions your facility?

According to: "GOOD MANUFACTURING PRACTICES FOR PHARMACEUTICAL PRODUCTS CONTAINING HAZARDOUS SUBSTANCES”:

…8.2 The link between the premises' interior and exterior should be through airlocks (PAL and/or MAL), change rooms, pass boxes, pass-through hatches, etc. These entry and exit doors for materials and personnel should have an interlock mechanism or other appropriate system to prevent the opening of more than one door at a time...
YDG
Cleanroom Specialist
From Switzerland
YDG means:

**Engineering**
YDG SA is combining electronic design with modern solutions and the most user friendly use of products.

**Production**
YDG SA will manufacture your single customized product or mass production of standardized items.

**Assistance**
Installation, after sales service, maintenance.
YDG solutions:

Cellular Lock®:
stand-alone interlocking «kit» solutions.

YDG Mesh®:
the centralized door management system.

Pneu Lock®:
the solution for EXPLOSIVE hazard environments.

Accessories:
cleanroom door mounted indicator and lock range.
Cellular Lock®

Advantages:

• Small dimensions
• Plug ‘n play wiring
• LED indicators for door status, interlock status, red / green indicator status
• Modularity up to 10 doors in the same interlocking logic
• Recovery time management
• UV lamp, ventilator piloting
• Access control management
• BMS connection
CELLULAR LOCK®

is an electronic door management system, composed by a range of control boards, traffic lights and electric locks.
YDG Mesh®

Advantages:

• Small dimensions
• Plug ‘n play wiring
• LED indicators for door status, interlock status, red / green indicator status
• Modularity up to 400 doors
• Recovery time management
• UV lamp, ventilator piloting
• Access control management
• Software monitoring and control
is a cleanroom management system based on PC / mobile applications and an advanced network monitoring and controlling on real time bases the door interlocks, environmental parameters and accesses.
Pneu Lock®

Advantages:

• No electricity
• Plug ‘n play tubing
• Ideal solution for chemical, petrochemical industry.
• EX certified components
• Recovery time management
• Acoustic horn for alarm signaling
YDG PNEU LOCK®

is a pneumatic door interlocking system specifically designed for cleanroom environments.

DELIVERY TIME: 10 working days
Accessories – case study

CL.TL.03 – stainless steel door jamb indicator

- Dimensions: 24x180x21.5 mm
- Plug ‘n play connections
- Flush mounting
- RGB LED zone
- AISI INOX 304 frontplate
- AISI INOX 304 antivandal release button
- Incorporated buzzer
- Company logo Laser engraving option
Accessories – case study

CL.IU.00 – door jamb mounted door lock

- Dimensions: 24.5x135 mm
- Plug ‘n play connections
- Flush mounting
- Door status sensor included
- Fail-safe lock
- Diam 8 mm door lock bolt
2 Doors Airlock Interlock

Corridor Sequence

Custom Layout Changing Room
Not Only Door Interlock!

A door mounted buzzer will turn ON...

Door left open alarm
...If a staff member forgets a door open for more than 20 seconds...

Simultaneous opening alarm
...If two interlocked doors are opened exactly at the same instant...

Forced opening alarm
...If somebody tries to force a locked door...

Emergency release button
...If somebody uses emergency release button to open a locked door.
Certifications

All systems are supplied with dedicated connection diagram and CE certification according to:

(LVD) 2014/35/EU
(EMC) 2014/30/EU
Thank You
Questions?

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