

PCTS
INTELLISPACES, LDA
**MOVABLE
WALLS**

ABOUT US

PCTS has been based in Marinha Grande since its company formation in 2012. The rise of the city as an industrial player was originally founded by British industrialists in the 18th century who used the local abundance of pine trees and sand to develop the glass & crystal industry. The city became the centre of excellence for precision glass manufacture in the Iberian Peninsula throughout the 19th century. Between the two world wars US automotive producers recognized that with its history of precision moulding and a plentiful supply of highly skilled workers it would be an excellent location to develop new injection moulding techniques for its car components and to this day virtually all cars manufactured in Europe use components produced or designed in Marinha Grande.

Today, Marinha Grande is recognized as the European centre of expertise in injection moulding and the city boasts over 250 companies involved in machine tool design & manufacture, mould tool design & manufacture, high technology prototyping and plastics development. PCTS shares its premises and some staff with its sister company Plasdan – a Danish / Portuguese joint venture with over 25 years expertise in the manufacture of machine tools for the injection moulding industry.

“we continually improve our processes to ensure products are superior in their design and development”

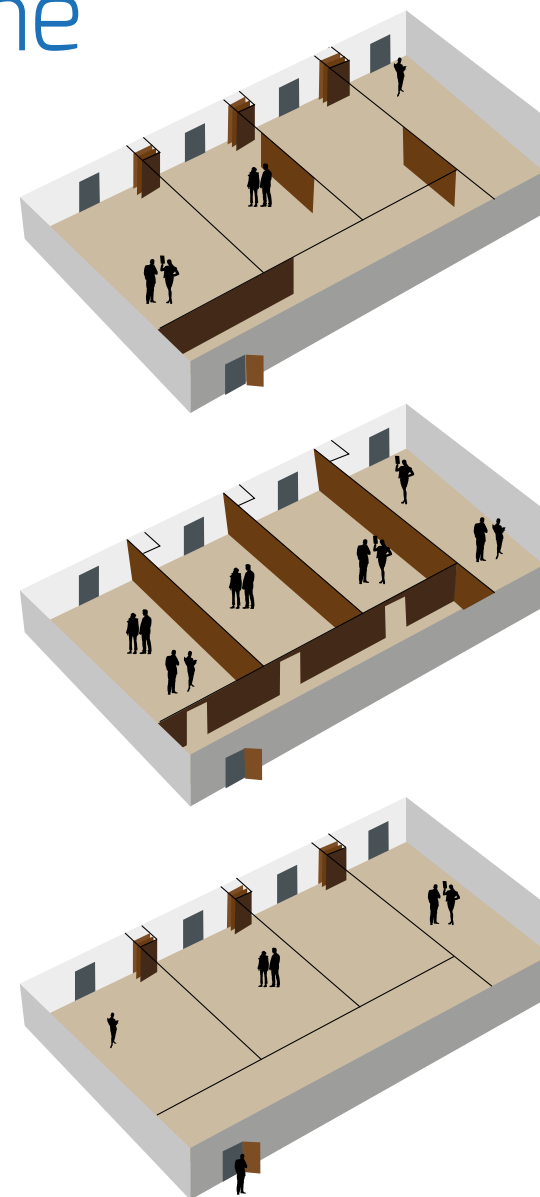
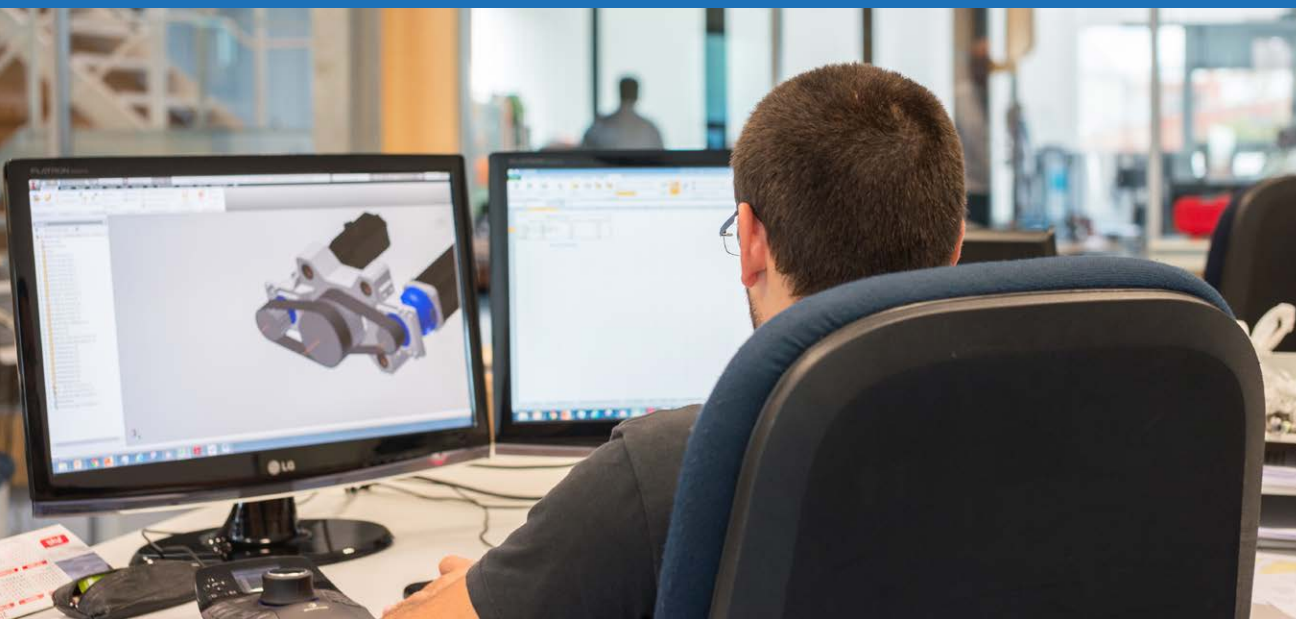
PCTS is a company formed by engineers and has precision in its DNA. Whilst most of our competitors originate from the construction industry and have designed and manufactured their products to these standards we believe that our exacting precision led standards ensure products are superior in their design and development. Needless to say quality and sustainability in production is taken as read with ISO9001 & EN14001 standards adhered to strictly.

CREATING SPACE WITHIN SPACE quick, easy & safe to maneuver by anyone

Moveable – sometimes known as operable - walls were developed to optimize areas where space is at a premium. The movable wall is quick, easy and safe to maneuver by virtually anyone and therefore allows for numerous room configurations.

The wall is composed of independent glazed or solid panels which slide smoothly on rollers along a top-hung aluminium rail without the need of a floor track. The wall is sealed either manually or automatically.

The seal is flexible in its operation to allow for variations in floor and ceiling height and not only secures the wall from movement but provides excellent insulation against sound and temperature. Multiple tracking and parking configurations are available to help optimize available space. Each panel is composed of a galvanized steel sub-frame and aluminum outer frame. The panel may be double-glazed or have a solid fascia with a virtually unlimited choice of finishes including wood veneer, aluminum, laminate, melamine and fabric.



DYNAMIC MANAGEMENT OF SPACE

Key Features

- Sound insulation: up to 54dB as standard – Solid walls (Alma)
- Sound insulation: up to 42dB as standard – Double-glazed walls (Aqua)
- Fire Rating: EI2.30 (laboratory certified)
- Fire classification: EN13501-1 B-s2, d0 (laboratory certified)
- Unlimited metal coatings: including intumescent ink, galvanizing, anodizing, powder coating.
- Double-glazed units use 6mm toughened / tempered safety glass.
- No floor track – panels are hung by use of single or twin-point suspension system.
- Two, three or four way modules to enable multiple track configurations & stacking systems.
- Electronic seal by key-switch or quick-set half-turn manual mechanism.
- Unlimited finishes such as Veneers, HPL, MFC, Vinyl, Fabric, Paint, Glass.

Warranty, Maintenance & Servicing.

Products come with a 24 month full parts & labour warranty against any production defect.

The warranty extends to installation defects if installed by ourselves or a PCTS approved installer.

Products should work perfectly for many years with the only required maintenance limited to adjustments of the panels in order to compensate for structural movement.

Aftersales & Support

Our aftersales service is recognized as being second to none.

You can expect unlimited telephone support on technical or operating issues.

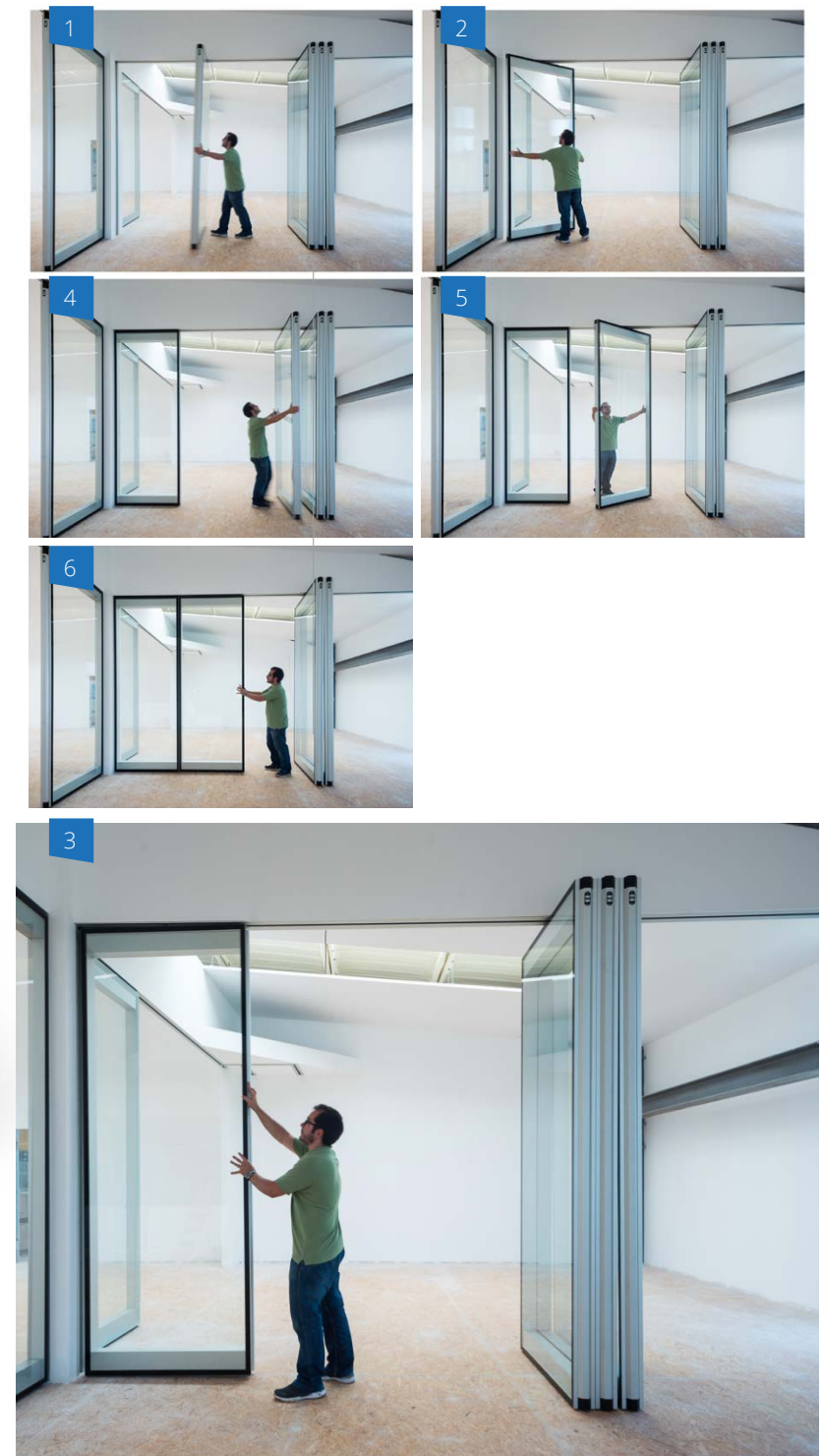
Our technicians can be on-site within 24 hours in emergency situations.

Extended warranty packages are available on request.

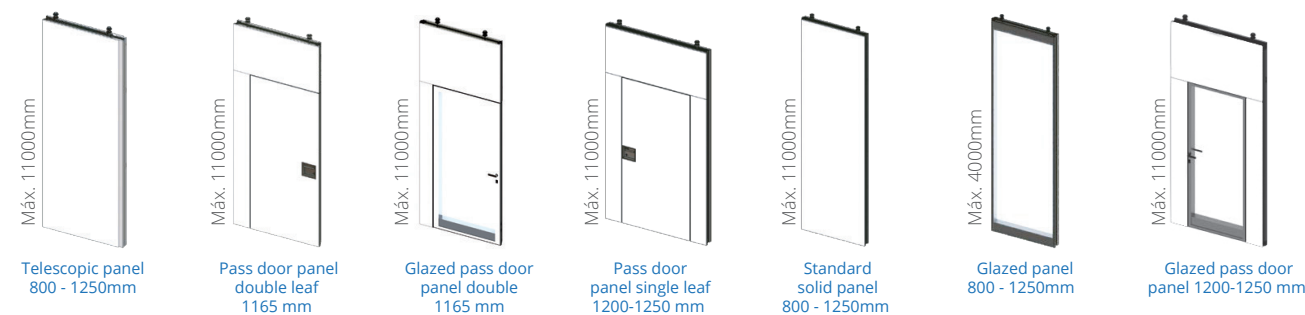
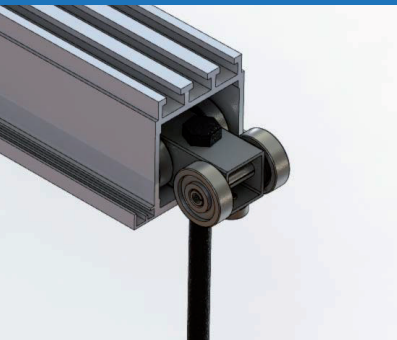


QUICK, EASY & SAFE TO MANEUVER BY ANYONE

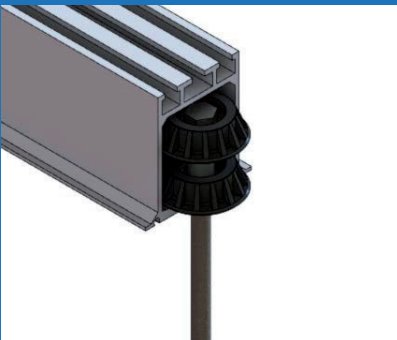
Our walls are designed with the customer in mind – precision made components ensure that panels glide effortlessly and quietly along aluminium guides so that space can be configured quickly, easily and safely by anyone.



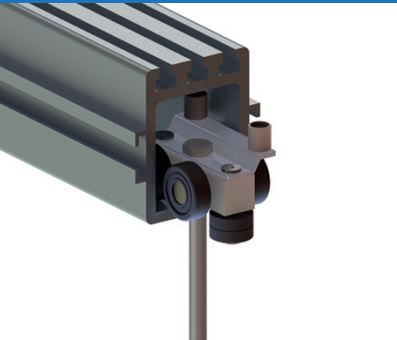
ONE WALL, SEVERAL SPACES



Track type UD
Uni-Directional
Aluminum track profiles extruded from architectural grade 6063-T6 alloy.
Load bearing capacity: 358Kg per panel

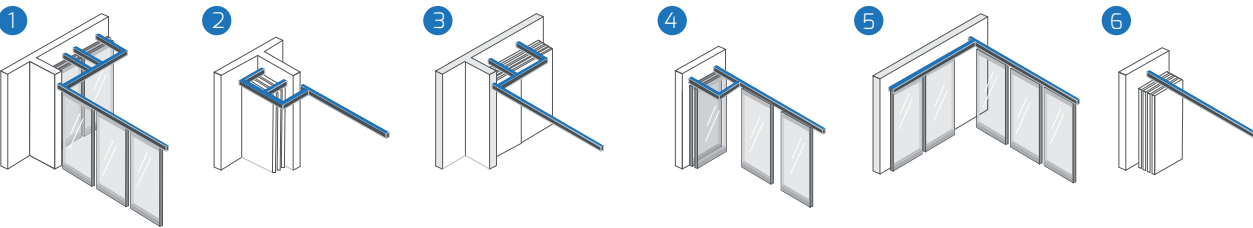


Track type MDS
Standard Multi-Directional
Aluminum track profiles extruded from architectural grade 6063-T6 alloy.
Load bearing capacity: 550Kg per panel



Track type MDH
Heavy duty Multi – Directional
Aluminum track profiles extruded from architectural grade 6063-T6 alloy.
Load bearing capacity: 850Kg per panel

Examples of stacking systems



MANUAL

Our Quick-Lock system allows the user to lock the panels quickly and safely after positioning. A simple half-turn of the handle seals the wall at the top and bottom to lock it from movement and to insulate it acoustically.



SEMI-AUTO

Our semi-automatic E-Lock system allows the user to fully lock the panels quickly and safely after positioning by way of an electronic key-switch. This allows the wall to automatically seal at the top and bottom to lock it from movement and to insulate it acoustically. The system runs by way of a quick-action worm screw driven by a 24v actuator powered by a protected power supply (certified fully for safety) battery back-up can be supplied for use in case of a cut in mains electricity.



FULL AUTO

Our fully automatic i-Core system allows the user to position the wall automatically then lock and seal the panels quickly and safely by way of an electronic key-switch. Each panel is driven electrically along the track and contains a wireless two-way control unit which the master control is able to identify & communicate with. This allows the user to program such things as speed of closure and configuration as well as protecting the system in the event of power interruption. Battery back-up is supplied as standard.

DOORS

FRAME & HANDLES

Our inset pass doors are recognized as the most advanced design in the market. The sub-frame is constructed from high-quality welded steel inside a slim-line aluminium frame making any type of floor track or locking mechanism unnecessary.

All our handles are manufactured in Germany from high-grade stainless steel to exacting standards. Choose a flush handle for solid doors required in areas allowing no protrusion (such as sports halls) or a pull handle for glazed doors and solid doors in less demanding environments.

HINGE SYSTEM

Our innovative concealed hinge allows full adjustment of the door in three dimensions. The *Simonswerk* hinge system offers superior engineering and quality with clean aesthetics unmatched by any other manufacturer.

CONTROL DETAILS

Low voltage electrical contacts are housed in our proprietary concave/convex aluminum profiles that guarantee ease of operation and an uninterrupted and safe electrical flow between the panels.

The door is equipped with a pressure seal at the bottom, which extends automatically during the closing action of the door.

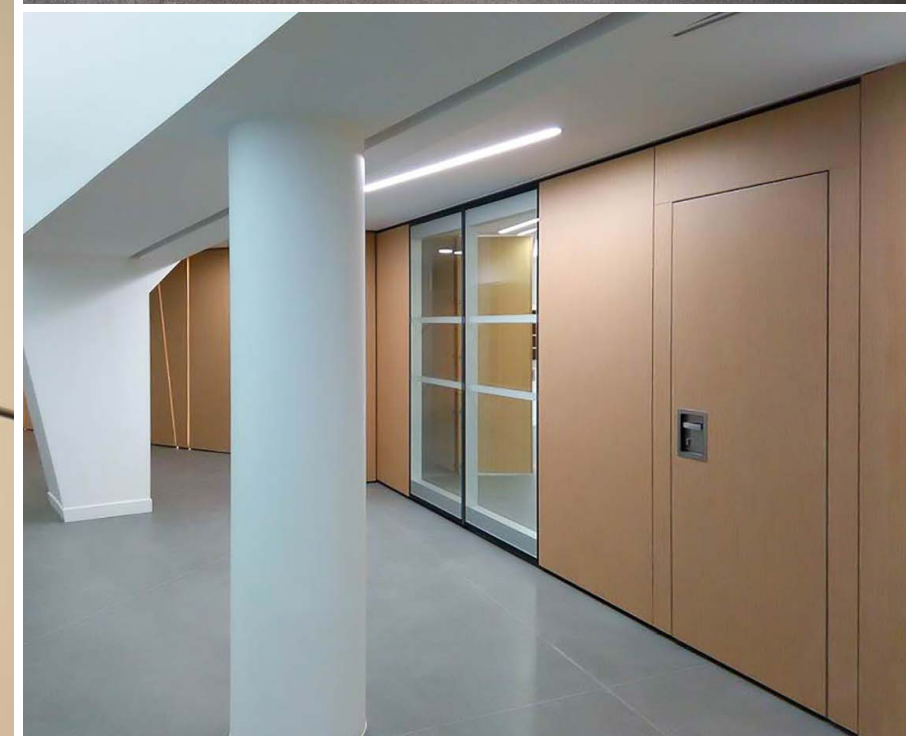


PRECISION TECHNOLOGY & SOLID GOOD LOOKS

Our systems are manufactured to more exacting standards of finish and aesthetics than our competitors and can be seen in some of the most high-profile buildings in the world including:

- Luxury Hotels
- Sports arenas
- Convention Centres
- Public buildings
- Lecture halls
- Banks & financial institutions
- Headquarters offices
- Universities, Colleges & Schools
- Flagship retail premises.

With movable walls, **possibilities and features are unlimited.** There is a wide variety of panel stacking and panel layouts. We conduct a study on the customer's site in order to harmonize the available space.





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