



## OUR EXPERTISE IN HMI AND DETECTION SOLUTIONS

### FULLY ADAPTED TO YOUR NEEDS

For over 60 years, PETERCEM and COMTRONIC, both member companies of MAFELEC TEAM, have been supporting actors in the civil and military aeronautics and space industries.

PETERCEM's mastery of technical requirements, such as sealing, hermeticity, vibrations, temperature and pressure, makes it your ideal partner for microswitches intended to operate in particularly severe environments such as landing gear, jet engine nacelles or space vacuum. On helicopters our products are also used for rotor brake and hoist.

From simple belighted front panel to completely customized control units, COMTRONIC is the ideal partner for the realization of your operating systems, with a recognized optical expertise, leading to a perfect homogeneity of lighting and meeting the visibility criteria in Daylight, night and NVG use.

Both companies are obviously certified according EN 9100:2018 and develop solutions according DO 160, MIL-Standards and SAE-AS-7788. Comtronic is also approved according EASA Part21G, EASA Part 145, TCCA Approval CAR 573.



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#### MEMBERS OF THE MAFELEC TEAM



## SOLUTIONS FOR AERONAUTICS

## PETERCEM SWITCHES AND COMTRONIC CREATING TOGETHER SMART AND SUSTAINABLE INTERFACES

PETERCEM SWITCHES develops robust solutions for position detection for harsh environments, as Aerospace, Defence and Energy industries.

COMTRONIC is an expert in solutions for human-machine interfaces for the aerospace market, that are precisely tailored to the customer needs. It goes from backlighted panels to complete control units.

#### Members of the MAFELEC TEAM

PETERCEM SWITCHES based in St Bonnet de Mure (France) and COMTRONIC in Schönau (Germany) belong to the MAFELEC TEAM. The owner-managed group of companies offers solutions for HMI, lighting, sensors and micro-switches and is active in the markets of bus and railway, industrial vehicle, industry, energy, defence, aerospace, and elevators.





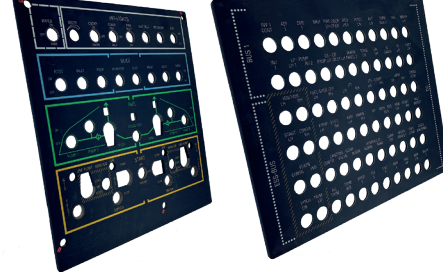
## HMI INTERIOR AND EXTERIOR

### COCKPIT

Light Control Units



Backlit front panel



Key pads



Indicator light box



Control units



### CABIN

Illuminated push buttons



Auxiliary components



Charging solutions



### OTHER SYSTEMS

Control unit display



Joystick controls



## DETECTION & PROTECTION

### MICROSWITCHES



### PROXIMITY SWITCHES



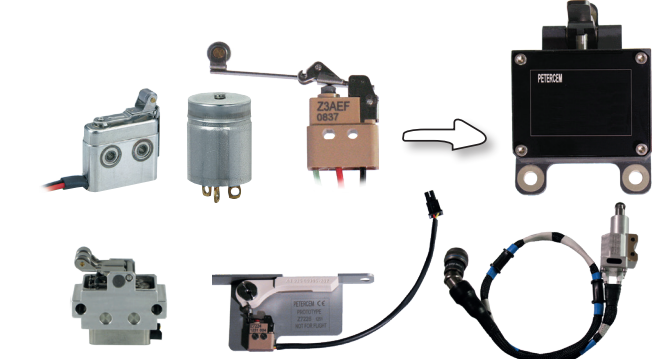
### ELAPSED TIME INDICATOR



### LIMIT SWITCHES



### CUSTOMIZED DETECTION SOLUTIONS

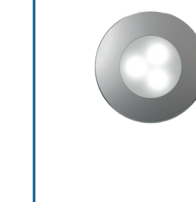


## LIGHTING INTERIOR AND EXTERIOR

### SPECIFIC LED SOLUTIONS



### READING LIGHTS



### INDICATOR LIGHTS



More detailed information of our products can be found on our websites:  
[www.petercem.com](http://www.petercem.com) and [www.comtronic-schoenau.de](http://www.comtronic-schoenau.de)